

GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:19:45 ; Search time 835.043 Seconds  
(without alignments)  
1497.594 Million cell updates/sec

Title: US-10-625-124-4  
Perfect score: 22  
Sequence: 1 gccccattaccatccagatctg 22

Scoring table: IDENTITY\_NUC  
Gapex 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues  
Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database :

GenEmb1:\*  
1: gb\_ba:\*  
2: gb\_in:\*  
3: gb\_env:\*  
4: gb\_om:\*  
5: gb\_ov:\*  
6: gb\_pat:\*  
7: gb\_ph:\*  
8: gb\_pr:\*  
9: gb\_ro:\*  
10: gb\_sts:\*  
11: gb\_sy:\*  
12: gb\_un:\*  
13: gb\_vi:\*  
14: gb\_mtg:\*  
15: gb\_pl:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	12990	8	HSBTDSS2
2	22	100.0	147123	14	AC027030
3	22	100.0	192031	8	AC027129
4	22	100.0	199288	8	AC090950
5	18.8	85.5	158888	14	AC068415
6	18.8	85.5	160917	8	AC107614
7	18.8	85.5	180939	14	AL596206
8	18.8	85.5	184311	8	AL358176
9	18.4	83.6	110000	14	BX901940_0
10	18.4	83.6	149707	5	CR407559
11	18.4	83.6	154643	14	CR848784
12	18.4	83.6	178116	9	AL669839
13	18.4	83.6	195700	14	EX957327
14	18.4	83.6	205316	5	EX548078
15	18.4	83.6	208497	14	AC127844
16	18.4	83.6	210900	5	AL844193
17	18.4	83.6	249386	14	CR382374
18	18.4	83.6	249386	14	CR382374

19	18.4	83.6	262129	14	AC097899	AC097899 Rattus no
20	18.4	83.6	283631	14	AC112536	AC112536 Rattus no
21	18.4	83.6	300588	14	AL845541	AL845541 Mus muscu
22	18.4	81.8	136939	14	AC149521	AC149521 Xenopus t
23	18.8	81.8	194224	5	EX465842	EX465842 Zebrafish
24	17.8	80.9	253	10	BV361992	BV361992 Z31P6365
25	17.8	80.9	375	15	AY251417	AY251417 Evernia
26	17.8	80.9	470	15	AY251418	AY251418 Evernia
27	17.8	80.9	566	3	D0064974	D0064974 Unculture
28	17.8	80.9	840	5	EX936177	EX936177 Gallus ga
29	17.8	80.9	840	2	AC084467	AC084467 Caenorhab
30	17.8	80.9	63155	6	AX646257	AX646257 Sequence
31	17.8	80.9	63155	8	AB055664	AB055664 Homo sapi
32	17.8	80.9	71294	14	AC105096	AC105096 Homo sapi
33	17.8	80.9	76993	14	AC157708	AC157708 Xenopus t
34	17.8	80.9	79904	14	AC161444	AC161444 Xenopus t
35	17.8	80.9	84335	14	AC018387	AC018387 Homo sapi
36	17.8	80.9	84345	5	EX936380	EX936380 Zebrafish
37	17.8	80.9	106366	14	AC155974	AC155974 Xenopus t
38	17.8	80.9	110000	14	AC161450_0	AC161450 Mus muscu
39	17.8	80.9	110000	15	CR380953_08	Continuation (9 of
40	17.8	80.9	111461	8	AP005368	AP005368 Homo sapi
41	17.8	80.9	112160	14	AC155996	AC155996 Xenopus t
42	17.8	80.9	134644	9	AL732589	AL732589 Mouse DNA
43	17.8	80.9	138951	14	AC115068	AC115068 Mus muscu
44	17.8	80.9	139079	14	AC022195	AC022195 Homo sapi
45	17.8	80.9	143280	8	AC104838	AC104838 Homo sapi
46	17.8	80.9	144902	14	AC016114	AC016114 Homo sapi
47	17.8	80.9	146746	5	CR457443	CR457443 Zebrafish
48	17.8	80.9	149126	8	AC105177	AC105177 Homo sapi
49	17.8	80.9	152144	14	AC150528	AC150528 Bos tauru
50	17.8	80.9	152946	9	AC102139	AC102139 Mus muscu
51	17.8	80.9	154060	8	AL662885	AL662885 Human DNA
52	17.8	80.9	160864	14	AC021993	AC021993 Homo sapi
53	17.8	80.9	162196	14	AL669957	AL669957 Homo sapi
54	17.8	80.9	164913	8	AP005359	AP005359 Homo sapi
55	17.8	80.9	166237	8	AL139379	AL139379 Human DNA
56	17.8	80.9	172953	8	AC067721	AC067721 Homo sapi
57	17.8	80.9	179244	9	AC118069	AC118069 Rattus no
58	17.8	80.9	184656	8	CNS05TDB	AL156021 Human chr
59	17.8	80.9	188845	14	CT025605	CT025605 Mus muscu
60	17.8	80.9	190980	5	EX530026	EX530026 Zebrafish
61	17.8	80.9	197271	9	AC111137	AC111137 Mus muscu
62	17.8	80.9	199451	14	CR388217	CR388217 Dario rer
63	17.8	80.9	211181	9	AC161585	AC161585 Mus muscu
64	17.8	80.9	212549	8	AC009492	AC009492 Homo sapi
65	17.8	80.9	217823	14	AC150570	AC150570 Bos tauru
66	17.8	80.9	224173	5	EX649328	EX649328 Zebrafish
67	17.8	80.9	231341	5	EX004816	EX004816 Zebrafish
68	17.8	80.9	234420	9	AC107798	AC107798 Mus muscu
69	17.8	80.9	261639	14	AC161668	AC161668 Bos tauru
70	17.8	80.9	266298	14	AC109096	AC109096 Rattus no
71	17.8	80.9	271708	14	AC094667	AC094667 Rattus no
72	17.8	80.9	299112	14	AC123342	AC123342 Rattus no
73	17.4	79.1	61582	14	RM499P20	AL603720 Rattus no
74	17.4	79.1	120364	15	AC140915	AC140915 Medicago
75	17.4	79.1	130981	15	AC150566	AC150566 Medicago
76	17.4	79.1	159689	9	AC124387	AC124387 Mus muscu
77	17.4	79.1	164262	14	AC147723	AC147723 Pongo pyg
78	17.4	79.1	166172	5	AC120150	AC120150 Mus muscu
79	17.4	79.1	169599	5	CR318590	CR318590 Zebrafish
80	17.4	79.1	178098	14	CR759809	CR759809 Dario rer
81	17.4	79.1	187377	14	CR848804	CR848804 Dario rer
82	17.4	79.1	188721	14	RM462P8	AL603727 Rattus no
83	17.4	79.1	206471	14	CR383364	CR383364 Dario rer
84	17.4	79.1	206926	9	AC124497	AC124497 Mus muscu
85	17.4	79.1	215672	14	CR318616	CR318616 Dario rer
86	17.4	79.1	218606	14	AC153551	AC153551 Mus muscu
87	17.4	79.1	219420	9	AC154526	AC154526 Mus muscu
88	17.4	79.1	225257	14	AC115559	AC115559 Rattus no
89	17.4	79.1	236778	14	AC129110	AC129110 Rattus no
90	17.4	79.1	237777	14	AC096165	AC096165 Rattus no
91	17.4	79.1	244795	14	AC131632	AC131632 Rattus no

92	17.4	79.1 248311	14	AC108572	AC108572 Rattus no	c 165	17.2	78.2 185895	8	AC068467	AC068467 Homo sapi
93	17.4	79.1 270662	14	AC132962	AC132962 Rattus no	c 166	17.2	78.2 186451	14	AC150615	AC150615 Callithrix
94	17.4	79.1 348946	14	AC132962	AC132962 Rattus no	c 167	17.2	78.2 187260	14	AC018976	AC018976 Homo sapi
95	17.2	78.2 405	6	EX883051	EX883051 Sequence	c 168	17.2	78.2 187589	15	AC083942	AC083942 Genomic g
96	17.2	78.2 464	6	AY190789	AY190789 Actus trl	c 169	17.2	78.2 187946	14	AC073961	AC073961 Homo sapi
97	17.2	78.2 543	10	BV673442	BV673442 S215P6120	c 170	17.2	78.2 188488	14	AC073961	AC073961 Homo sapi
98	17.2	78.2 707	9	MUSRSID2A	MUSRSID2A mouse repet	c 171	17.2	78.2 188888	6	AK675240	AK675240 Sequence
99	17.2	78.2 742	10	BV673914	BV673914 S215P6012	c 172	17.2	78.2 188888	14	AC027142	AC027142 Homo sapi
100	17.2	78.2 1006	10	BV673820	BV673820 S215P6038	c 173	17.2	78.2 190570	14	AL157894	AL157894 Homo sapi
101	17.2	78.2 1116	6	AR226665	AR226665 Sequence	c 174	17.2	78.2 191857	8	AC119741	AC119741 Homo sapi
102	17.2	78.2 1126	6	AF278737	AF278737 Actus aza	c 175	17.2	78.2 192101	5	AC144702	AC144702 Homo sapi
103	17.2	78.2 2561	6	CQ573974	CQ573974 Sequence	c 176	17.2	78.2 193548	8	AC110926	AC110926 Homo sapi
104	17.2	78.2 2695	6	CQ610334	CQ610334 Sequence	c 177	17.2	78.2 194691	14	AC163527	AC163527 Homo sapi
105	17.2	78.2 4923	15	AB001077	AB001077 Candida a	c 178	17.2	78.2 198063	9	AC117211	AC117211 Homo sapi
106	17.2	78.2 33796	8	AY623117	AY623117 Homo sapi	c 179	17.2	78.2 206579	14	AC153292	AC153292 Homo sapi
107	17.2	78.2 40150	14	AC020043	AC020043 Drosophila	c 180	17.2	78.2 206757	9	AC117211	AC117211 Homo sapi
108	17.2	78.2 68462	14	AC044854	AC044854 Homo sapi	c 181	17.2	78.2 208823	8	AC028532	AC028532 Homo sapi
109	17.2	78.2 69882	14	HSDJ6365	HSDJ6365 Homo sapi	c 182	17.2	78.2 213721	8	HS172820	HS172820 Homo sapi
110	17.2	78.2 75892	14	AC156280	AC156280 Medicago	c 183	17.2	78.2 214198	14	AC163527	AC163527 Homo sapi
111	17.2	78.2 77134	8	AC146380	AC146380 Pan trogl	c 184	17.2	78.2 215972	8	AC146017	AC146017 Homo sapi
112	17.2	78.2 80819	8	BCX32020	BCX32020 Zebrafish	c 185	17.2	78.2 220120	8	AC048380	AC048380 Homo sapi
113	17.2	78.2 85538	8	AC127904	AC127904 Homo sapi	c 186	17.2	78.2 224670	14	AP000933	AP000933 Homo sapi
114	17.2	78.2 89871	8	AC092207	AC092207 Homo sapi	c 187	17.2	78.2 233615	14	AC136416	AC136416 Homo sapi
115	17.2	78.2 91200	8	AC073650	AC073650 Homo sapi	c 188	17.2	78.2 243789	14	AC136416	AC136416 Homo sapi
116	17.2	78.2 93411	8	CR626873	CR626873 Homo sapi	c 189	17.2	78.2 251088	14	AC123114	AC123114 Homo sapi
117	17.2	78.2 94308	8	AC005480	AC005480 Homo sapi	c 190	17.2	78.2 252444	14	AC161557	AC161557 Homo sapi
118	17.2	78.2 100117	14	AC139720	AC139720 Takifugu	c 191	17.2	78.2 257208	14	AC157118	AC157118 Homo sapi
119	17.2	78.2 101570	8	AL365505	AL365505 Homo sapi	c 192	17.2	78.2 260646	14	AC094763	AC094763 Homo sapi
120	17.2	78.2 108579	8	CR755738	CR755738 Homo sapi	c 193	17.2	78.2 269993	14	AC118497	AC118497 Homo sapi
121	17.2	78.2 110000	1	BA000031	BA000031 Lotus cor	c 194	17.2	78.2 288721	1	AB017173	AB017173 Drosophila
122	17.2	78.2 110000	1	BA000031	BA000031 Lotus cor	c 195	17.2	78.2 302966	1	AB017173	AB017173 Drosophila
123	17.2	78.2 110000	14	AC090485	AC090485 Rattus no	c 196	17.2	78.2 303966	1	EX842656	EX842656 Rattus no
124	17.2	78.2 110000	14	AC090485	AC090485 Rattus no	c 197	17.2	78.2 312853	14	AC118393	AC118393 Homo sapi
125	17.2	78.2 110000	15	AP008209	AP008209 Rattus no	c 198	17.2	78.2 312965	14	AC091978	AC091978 Homo sapi
126	17.2	78.2 113213	15	AP006374	AP006374 Lotus cor	c 199	17.2	78.2 312965	14	AC091978	AC091978 Homo sapi
127	17.2	78.2 113213	15	AP006374	AP006374 Lotus cor	c 200	17.2	78.2 312965	14	AC091978	AC091978 Homo sapi
128	17.2	78.2 114842	8	AL671986	AL671986 Homo sapi	c 201	17.2	77.3 70000	8	AY064247	AY064247 Homo sapi
129	17.2	78.2 115756	8	HSDJ62215	HSDJ62215 Homo sapi	c 202	17.2	77.3 73794	14	AC101544	AC101544 Homo sapi
130	17.2	78.2 118465	8	AP004550	AP004550 Homo sapi	c 203	17.2	77.3 137378	14	AC108192	AC108192 Homo sapi
131	17.2	78.2 130221	5	EX640470	EX640470 Bos tauru	c 204	17.2	77.3 138050	5	CR318645	CR318645 Zebrafish
132	17.2	78.2 131868	14	AC073613	AC073613 Homo sapi	c 205	17.2	77.3 140884	8	AC139618	AC139618 Homo sapi
133	17.2	78.2 137432	8	HS179E13	HS179E13 Homo sapi	c 206	17.2	77.3 155629	14	AC108196	AC108196 Homo sapi
134	17.2	78.2 138443	8	AC073613	AC073613 Homo sapi	c 207	17.2	77.3 155629	14	AC108196	AC108196 Homo sapi
135	17.2	78.2 143027	14	AL360086	AL360086 Homo sapi	c 208	17.2	77.3 156250	9	AC107293	AC107293 Homo sapi
136	17.2	78.2 144834	8	AC073345	AC073345 Homo sapi	c 209	17.2	77.3 156250	9	AC107293	AC107293 Homo sapi
137	17.2	78.2 145947	8	AL353588	AL353588 Homo sapi	c 210	17.2	77.3 161424	14	AC018367	AC018367 Homo sapi
138	17.2	78.2 149875	14	AC136307	AC136307 Homo sapi	c 211	17.2	77.3 162495	14	AC015647	AC015647 Homo sapi
139	17.2	78.2 149903	8	HS478D8	HS478D8 Homo sapi	c 212	17.2	77.3 164631	8	AC022356	AC022356 Homo sapi
140	17.2	78.2 152553	8	AC091980	AC091980 Homo sapi	c 213	17.2	77.3 170184	8	AC096917	AC096917 Homo sapi
141	17.2	78.2 153133	8	AC122529	AC122529 Mus muscu	c 214	17.2	77.3 178314	14	AC144347	AC144347 Homo sapi
142	17.2	78.2 159294	9	AC122529	AC122529 Mus muscu	c 215	17.2	77.3 178314	14	AC144347	AC144347 Homo sapi
143	17.2	78.2 159316	14	AC157862	AC157862 Homo sapi	c 216	17.2	77.3 185763	9	AF152363	AF152363 Homo sapi
144	17.2	78.2 161131	14	AC148129	AC148129 Callitula	c 217	17.2	77.3 186273	9	AF152363	AF152363 Homo sapi
145	17.2	78.2 161249	14	CR936835	CR936835 Danio rer	c 218	17.2	77.3 198714	8	CNS05TRG	CNS05TRG Homo sapi
146	17.2	78.2 161360	2	AC105292	AC105292 Drosophila	c 219	17.2	77.3 202212	8	CNS05TRG	CNS05TRG Homo sapi
147	17.2	78.2 162662	14	CR933737	CR933737 Danio rer	c 220	17.2	77.3 207214	14	AC152297	AC152297 Homo sapi
148	17.2	78.2 163674	5	AL357959	AL357959 Xenopus t	c 221	17.2	77.3 212977	14	AC134108	AC134108 Homo sapi
149	17.2	78.2 164500	14	AL359698	AL359698 Homo sapi	c 222	17.2	77.3 223401	9	AC093043	AC093043 Homo sapi
150	17.2	78.2 165154	9	AC121307	AC121307 Homo sapi	c 223	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
151	17.2	78.2 168168	14	AC121307	AC121307 Homo sapi	c 224	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
152	17.2	78.2 169304	14	AL713898	AL713898 Homo sapi	c 225	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
153	17.2	78.2 169304	14	AL713898	AL713898 Homo sapi	c 226	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
154	17.2	78.2 169660	8	AY050668	AY050668 Homo sapi	c 227	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
155	17.2	78.2 169661	8	AY050668	AY050668 Homo sapi	c 228	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
156	17.2	78.2 170940	8	AC120042	AC120042 Homo sapi	c 229	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
157	17.2	78.2 172483	14	CR931959	CR931959 Homo sapi	c 230	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
158	17.2	78.2 172483	14	CR931959	CR931959 Homo sapi	c 231	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
159	17.2	78.2 175154	8	AC093246	AC093246 Homo sapi	c 232	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
160	17.2	78.2 175154	8	AC093246	AC093246 Homo sapi	c 233	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
161	17.2	78.2 175468	14	AC147862	AC147862 Homo sapi	c 234	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
162	17.2	78.2 176409	14	AC148062	AC148062 Homo sapi	c 235	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
163	17.2	78.2 181694	8	AC019357	AC019357 Homo sapi	c 236	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi
164	17.2	78.2 183082	5	AL954138	AL954138 Zebrafish	c 237	17.2	77.3 223401	14	AC152305	AC152305 Homo sapi

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 19:50:39 ; Search time 409.152 Seconds  
(without alignments)  
358.359 Million cell updates/sec

Title: US-10-625-124-4  
Perfect score: 22  
Sequence: 1 gccccatcacatccagattcg 22

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues  
Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database : N\_Geneseq\_21:.\*  
1: geneseqn1980s:.\*  
2: geneseqn1990s:.\*  
3: geneseqn2000s:.\*  
4: geneseqn2001as:.\*  
5: geneseqn2001bs:.\*  
6: geneseqn2002as:.\*  
7: geneseqn2002bs:.\*  
8: geneseqn2003as:.\*  
9: geneseqn2003bs:.\*  
10: geneseqn2003cs:.\*  
11: geneseqn2004as:.\*  
12: geneseqn2004bs:.\*  
13: geneseqn2004cs:.\*  
14: geneseqn2005s:.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	22	100.0	22	13	ADU17692	Adu17692 Forward P
2	22	100.0	12390	13	ADU17691	Adu17691 Human bio
3	17.8	80.9	1580	10	ADD72058	Add72058 Human utr
4	17.8	80.9	2138	10	ADD72061	Add72061 Human utr
5	17.8	80.9	63155	10	ADC85996	Adc85996 Human GPC
6	17.8	80.9	151858	13	ABD33489	Abd33489 Murine ca
7	17.2	78.2	405	5	ABV13334	Abv13334 Human pro
8	17.2	78.2	2561	4	ABU02994	Abu02994 Drosophil
9	17.2	78.2	2695	4	ABU27234	Abu27234 Drosophil
10	17.2	78.2	53779	14	AEA61175	Aea61175 Human ENT
11	17.2	78.2	115756	8	ACD13448	Ac13448 Human DNA
12	17.2	78.2	188888	6	ABC75562	Abc75562 Human rel
13	16.8	76.4	677	5	ABV17790	Abv17790 Human pro
14	16.8	76.4	691	5	ABV05697	Abv05697 Human pro
15	16.8	76.4	1108	13	ADX27769	Adx27769 Human pro
16	16.8	76.4	1973	4	AAH17172	Aah17172 Plant full
17	16.8	76.4	3089	4	AAK70519	Aak70519 Human cDN
18	16.8	76.4	110000	10	ADE11169_1	Ade11169_1 Human
19	16.8	76.4	110000	10	ADE11169_2	Ade11169_2 Human
						Continuation (3 of

20	16.8	76.4	141912	10 ADC86530	Adc86530 Human GPC
21	16.4	74.5	460	9 ACH16728	Ach16728 Human adu
22	16.4	74.5	641	9 AAK89496	Aak89496 Human dig
23	16.4	74.5	1190	10 ADK15243	Adk15243 Urinary s
24	16.4	74.5	1411	10 ADK15244	Adk15244 Urinary s
25	16.4	74.5	1414	10 ADK15245	Adk15245 Urinary s
26	16.4	74.5	1957	6 AB156672	Ab156672 Nucleotid
27	16.4	74.5	2023	4 AAK88201	Aak88201 Human dig
28	16.4	74.5	6317	6 ABL32409	Ab132409 Human imm
29	16.4	74.5	7287	9 AB149312	Ab149312 Human pol
30	16.4	74.5	110000	13 AAD58261	Aad58261 Murine tu
31	16.4	74.5	110000	13 ABD32966_05	Abd32966_05
32	16.4	74.5	110000	13 ABD32966_06	Abd32966_06
33	16.4	74.5	167739	9 AAD58258	Aad58258 Murine tu
34	16.2	73.6	404	9 ACH46865	Ach46865 Human inf
35	16.2	73.6	539	4 AAK93027	Aak93027 Human CDN
36	16.2	73.6	539	12 ADL29454	Adl29454 3' end of
37	16.2	73.6	718	4 AA196838	Aa196838 Human neu
38	16.2	73.6	719	4 AA196839	Aa196839 Human neu
39	16.2	73.6	1314	6 AB231843	Ab231843 Candida a
40	16.2	73.6	1337	8 ACD05923	Ac05923 Novel hum
41	16.2	73.6	1368	8 ADA71347	Ada71347 Rice gene
42	16.2	73.6	1647	6 AB212214	Ab212214 Arabidops
43	16.2	73.6	1906	10 ADE56092	Ade56092 Rat gene
44	16.2	73.6	2000	6 AB215502	Ab215502 Arabidops
45	16.2	73.6	2000	11 ACL35719	Ac135719 Rice cfr
46	16.2	73.6	3391	6 AAD33743	Aad33743 Mouse dig
47	16.2	73.6	3391	12 ADH08517	Adh08517 DNA seque
48	16.2	73.6	3459	5 ABV24733	Abv24733 Human pro
49	16.2	73.6	3611	14 ADZ09585	Adz09585 Human bre
50	16.2	73.6	3641	4 AAK52222	Aak52222 Human pol
51	16.2	73.6	3705	12 ADV35089	Adv35089 DNA encod
52	16.2	73.6	14671	10 ADE63482	Ade63482 Rat gene
53	16.2	73.6	14671	10 ADE63481	Ade63481 Rat gene
54	16.2	73.6	14671	10 ADE63479	Ade63479 Rat gene
55	16.2	73.6	14671	10 ADE63480	Ade63480 Rat gene
56	16.2	73.6	19205	5 AAS34685	Aas34685 Human DNA
57	16.2	73.6	3328	6 ABL91800	Ab191800 Human l1p
58	16.2	73.6	39533	13 ABD32744	Abd32744 Human can
59	16.2	73.6	41159	4 AAK65631	Aak65631 Human lmm
60	16.2	73.6	43950	6 AAD36022	Aad36022 Human kin
61	16.2	73.6	62658	13 ABD33332	Abd33332 Human can
62	16.2	73.6	75033	12 ADP66763	Adp66763 Human end
63	16.2	73.6	98345	13 ABD32892	Abd32892 Human can
64	16.2	73.6	294575	14 AEA61217	Aea61217 Human STK
65	16.2	73.6	313287	13 ABD33100	Abd33100 Human can
66	16.2	73.6	605	13 ACN52486	Acn52486 Cotton an
67	16.2	72.7	780	6 ABO68138	Ab068138 Listeria
68	16.2	72.7	780	6 ABO68138	Ab068138 Listeria
69	16.2	72.7	1352	6 ADG79252	Adg79252 Human sec
70	16.2	72.7	110000	6 ABA03041_16	Ab03041_16
71	15.8	71.8	97	12 ADP99875	Adp99875 Nicotiana
72	15.8	71.8	287	10 ADK59470	Adk59470 Plant DNA
73	15.8	71.8	293	4 ABA73658	Ab73658 Human foe
74	15.8	71.8	293	4 AAI54097	Aai54097 Probe #22
75	15.8	71.8	293	4 AAK48272	Aak48272 Human bon
76	15.8	71.8	293	4 AAK22105	Aak22105 Human bra
77	15.8	71.8	368	3 AAC74595	Aac74595 Human ORF
78	15.8	71.8	368	6 ABN19186	Abn19186 Human ORF
79	15.8	71.8	408	4 AAK56248	Aak56248 Human imm
80	15.8	71.8	435	10 ADE66356	Ade66356 Human m1c
81	15.8	71.8	550	4 ABA61132	Ab61132 Human foe
82	15.8	71.8	550	4 AAI41032	Aai41032 Probe #97
83	15.8	71.8	550	4 AAK35319	Aak35319 Human bon
84	15.8	71.8	550	4 AAK09427	Aak09427 Human bra
85	15.8	71.8	554	10 ADE34451	Ade34451 Human G-p
86	15.8	71.8	629	5 ABV50116	Abv50116 Human pro
87	15.8	71.8	725	2 AAV53511	Aav53511 DNA encod
88	15.8	71.8	876	4 AAL01031	Aal01031 Human rep
89	15.8	71.8	876	4 ABL96498	Ab196498 Human tes
90	15.8	71.8	973	3 AAA87772	Aaa87772 Human sec
91	15.8	71.8	973	5 AAF64054	Aaf64054 CDNA enco
92	15.8	71.8	973	12 ADP18792	Adp18792 Human sec

93	15.8	71.8	1128	10	ADB34453	Ad34453 Human G-p	166	15.6	70.9	135	10	ADB45910	Ad45910 Human car
94	15.8	71.8	1208	10	ADB34452	Ad34452 Human G-p	167	15.6	70.9	135	13	ADU08328	AdU08328 Human car
95	15.8	71.8	1236	4	AAI60908	AAI60908 Human pol	168	15.6	70.9	150	3	AAI30726	AAI30726 Human sec
96	15.8	71.8	1236	4	AAI60907	AAI60907 Human pol	169	15.6	70.9	158	3	AAI30725	AAI30725 Human sec
97	15.8	71.8	1515	8	ACA24611	ACA24611 Prokaryot	170	15.6	70.9	196	4	AAI81954	AAI81954 Human pol
98	15.8	71.8	1661	10	ADC030427	AdC030427 Human nov	171	15.6	70.9	214	10	ADB75963	ADB75963 Human pol
99	15.8	71.8	1277	13	ADT15434	AdT15434 Plant CDN	172	15.6	70.9	227	4	ABR72264	ABr72264 Human foe
100	15.8	71.8	1738	10	ADT15435	AdT15435 Arabidops	173	15.6	70.9	227	4	AAI52670	AAI52670 Probe #21
101	15.8	71.8	1986	6	ABK34804	AbK34804 Human CDN	174	15.6	70.9	227	4	AAK46831	AAK46831 Human bon
102	15.8	71.8	2145	5	AA870357	AA870357 DNA encod	175	15.6	70.9	227	4	AAK20685	AAK20685 Human bra
103	15.8	71.8	2521	4	AAI59122	AAI59122 Human pol	176	15.6	70.9	227	4	AB846602	AB846602 Human llyr
104	15.8	71.8	2521	5	ADG99345	AdG99345 DNA encod	177	15.6	70.9	258	4	AAI04277	AAI04277 Human rep
105	15.8	71.8	2521	4	ADG99345	AdG99345 Novel hum	178	15.6	70.9	300	6	ABW20080	ABw20080 Human ORF
106	15.8	71.8	2550	4	AAI59121	AAI59121 Human pol	179	15.6	70.9	331	6	ABK09683	ABK09683 Human ova
107	15.8	71.8	2550	5	ADG99344	AdG99344 DNA encod	180	15.6	70.9	333	6	ABK75873	ABK75873 Bacillus
108	15.8	71.8	2550	5	ADG99344	AdG99344 Novel hum	181	15.6	70.9	378	3	AAI39588	AAI39588 Human ORF
109	15.8	71.8	2610	13	ADG48119	AdG48119 Bacterial	182	15.6	70.9	422	5	ABV19610	ABv19610 Human pro
110	15.8	71.8	3052	10	ADP82148	ADp82148 Leukemia	183	15.6	70.9	492	3	AAK36768	AAK36768 Arabidops
111	15.8	71.8	3213	6	ABN79857	ABn79857 Fungal ZB	184	15.6	70.9	504	4	AAK55660	AAK55660 Human lmm
112	15.8	71.8	3331	11	ACN45207	ACn45207 Human mRN	185	15.6	70.9	506	4	ABA59722	ABA59722 Human foe
113	15.8	71.8	3333	4	AAH18407	AaH18407 Human CDN	186	15.6	70.9	506	4	AAI39588	AAI39588 Probe #82
114	15.8	71.8	3333	14	ADY17948	ADY17948 DNA encod	187	15.6	70.9	506	4	AAK33862	AAK33862 Human bon
115	15.8	71.8	3424	6	ABLS3934	ABl3934 Human MYB	188	15.6	70.9	506	4	AAK07990	AAK07990 Human bra
116	15.8	71.8	3440	11	ACN92492	ACn92492 Breast ca	189	15.6	70.9	506	4	AB833671	AB833671 Human llyr
117	15.8	71.8	3441	5	ADL45928	AdL45928 Human ova	190	15.6	70.9	528	5	ABV54180	ABv54180 Human pro
118	15.8	71.8	3845	12	ADO20358	AdO20358 Human PRO	191	15.6	70.9	536	13	ACN56998	ACn56998 Cotton gy
119	15.8	71.8	3845	14	ADY18735	ADY18735 DNA encod	192	15.6	70.9	541	13	ADQ05707	ADQ05707 Novel can
120	15.8	71.8	3941	13	ADRO6654	ADr06654 Full leng	193	15.6	70.9	556	10	ADQ08593	ADQ08593 Banana DN
121	15.8	71.8	4745	14	ADX03749	ADx03749 Human mR	194	15.6	70.9	570	4	AAK92427	AAK92427 Human CDN
122	15.8	71.8	5227	6	AB862784	AB862784 Prostate	195	15.6	70.9	570	12	ADL28854	ADl28854 3' end of
123	15.8	71.8	5227	14	ADV85828	ADv85828 Human CDN	196	15.6	70.9	575	13	ACN46405	ACn46405 Cotton pr
124	15.8	71.8	5228	12	ADB77051	ADb77051 Human CDN	197	15.6	70.9	587	4	AAI08039	AAI08039 Human bre
125	15.8	71.8	5410	5	ABA09682	ABa09682 Human bon	198	15.6	70.9	593	10	ADK55893	ADK55893 Plant DNA
126	15.8	71.8	5988	4	ABLI19944	ABl19944 Drosophi1	199	15.6	70.9	601	13	ADV15810	ADv15810 Human ost
127	15.8	71.8	6554	4	ABLI3006	ABl13006 Drosophi1	200	15.6	70.9	601	13	ADV15811	ADv15811 Human ost
128	15.8	71.8	6598	4	ABLI04660	ABl04660 Human rep	201	15.6	70.9	615	4	AA535739	AA535739 Human car
129	15.8	71.8	6598	4	ABLI97567	ABl97567 Human tes	202	15.6	70.9	615	10	ADB45818	ADb45818 Human car
130	15.8	71.8	6880	4	AA859556	AA859556 Propionib	203	15.6	70.9	615	13	ADU07236	ADU07236 Human car
131	15.8	71.8	6880	8	ACF64485	ACF64485 Propionib	204	15.6	70.9	651	10	ADC75676	ADC75676 DNA homoi
132	15.8	71.8	9528	4	ABLI19946	ABl19946 Drosophi1	205	15.6	70.9	651	10	ADK59541	ADK59541 Plant DNA
133	15.8	71.8	9736	4	ABLI4836	ABl14836 Drosophi1	206	15.6	70.9	776	4	AAK93625	AAK93625 Human CDN
134	15.8	71.8	9742	4	ABLI19948	ABl19948 Drosophi1	207	15.6	70.9	776	4	AAK91957	AAK91957 Human CDN
135	15.8	71.8	19243	4	AAK71662	AAk71662 Human imm	208	15.6	70.9	776	12	ADL28384	ADl28384 5' end of
136	15.8	71.8	26278	14	AB832413	AB832413 Human gen	209	15.6	70.9	776	12	ADL30052	ADl30052 3' end of
137	15.8	71.8	33012	8	AB855899	AB855899 Bovine ad	210	15.6	70.9	787	4	AA522820	AA522820 Human CDN
138	15.8	71.8	33113	8	AB855900	AB855900 Bovine ad	211	15.6	70.9	800	4	AAH08340	AAH08340 Human CDN
139	15.8	71.8	33306	8	AB855901	AB855901 Bovine ad	212	15.6	70.9	832	4	AAH03531	AAH03531 Human CDN
140	15.8	71.8	33310	8	AB855903	AB855903 Bovine ad	213	15.6	70.9	836	4	AA522584	AA522584 Human CDN
141	15.8	71.8	34079	8	AB855902	AB855902 Bovine ad	214	15.6	70.9	858	3	AAK79540	AAK79540 Human CDN
142	15.8	71.8	34185	3	AAK62130	AAK62130 Nucleotid	215	15.6	70.9	873	13	ADR64399	ADR64399 Cotton CD
143	15.8	71.8	34185	8	AB855888	AB855888 Bovine ad	216	15.6	70.9	893	4	AAH07923	AAH07923 Human CDN
144	15.8	71.8	34185	10	ADCI17118	ADCI17118 Bovine ad	217	15.6	70.9	918	8	ABZ36339	ABz36339 Human sec
145	15.8	71.8	34185	13	ADU67040	ADu67040 Bovine ad	218	15.6	70.9	924	3	AAZ61510	AAZ61510 Human sec
146	15.8	71.8	34604	14	AB832362	AB832362 Human gen	219	15.6	70.9	924	13	ADO90301	ADO90301 Rat 5'OT-
147	15.8	71.8	64467	8	AA050739	AA050739 Human kin	220	15.6	70.9	960	10	AD857356	AD857356 Bacterial
148	15.8	71.8	64467	9	ACH00100	ACH00100 Human kin	221	15.6	70.9	960	13	AD857464	AD857464 Bacterial
149	15.8	71.8	64467	10	ACH015783	ACH015783 Human MEK	222	15.6	70.9	999	13	ADT42838	ADt42838 Bacterial
150	15.8	71.8	64805	14	ADM97632	ADM97632 Human kin	223	15.6	70.9	1042	8	AAK47050	AAK47050 Arabidops
151	15.8	71.8	84805	14	AB839165	AB839165 L. pneumo	224	15.6	70.9	1082	8	ABZ36166	ABz36166 Human sec
152	15.8	71.8	87472	11	ADZ13131	ADz13131 Human can	225	15.6	70.9	1160	3	AAK79694	AAK79694 Human sec
153	15.8	71.8	102980	14	ACM44734	ACM44734 Human gen	226	15.6	70.9	1236	9	ADA30271	ADA30271 DNA encod
154	15.8	71.8	106707	12	AD032260	AD032260 Human chr	227	15.6	70.9	1240	11	ADP65600	ADp65600 Human mtc
155	15.8	71.8	110000	9	ADAI3411_2	Continuation (3 of	228	15.6	70.9	1299	11	AD845426	AD845426 Bacterial
156	15.8	71.8	110000	12	ADQ59446_2	Continuation (3 of	229	15.6	70.9	1316	13	ACT129486	ACT129486 Rice abio
157	15.8	71.8	110000	14	ADZ13757_2	Continuation (8 of	230	15.6	70.9	1575	9	ADB09307	ADB09307 Altiolococ
158	15.8	71.8	110000	14	ADZ13757_07	Continuation (3 of	231	15.6	70.9	1575	9	ADB09301	ADB09301 Altiolococ
159	15.8	71.8	110000	14	AB839175_07	Continuation (8 of	232	15.6	70.9	1575	9	ADB09303	ADB09303 Altiolococ
160	15.8	71.8	147620	10	ADL13739	ADl13739 Osteoarth	233	15.6	70.9	1575	9	ADB09305	ADB09305 Altiolococ
161	15.8	71.8	147620	12	ADQ119948	ADQ119948 Human sof	234	15.6	70.9	1575	9	ADB09305	ADB09305 Altiolococ
162	15.8	71.8	295644	14	AB833761	AB833761 L. pneumo	235	15.6	70.9	1713	13	AAK94643	AAK94643 Human ful
163	15.8	71.8	301477	13	ABD33362	ABd33362 Human can	236	15.6	70.9	1713	12	ADL31588	ADl31588 Full leng
164	15.6	70.9	60	6	ABN47469	ABn47469 Human spl	237	15.6	70.9	1889	11	ADM02361	ADM02361 Human CDN
165	15.6	70.9	135	4	AA836216	AA836216 Human car	238	15.6	70.9	1945	4	AAH15055	AAH15055 Human CDN

GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:51:03 ; Search time 1756.89 Seconds

(Without alignments)  
585.873 Million cell updates/sec

Title: US-10-625-124-4

Perfect score: 22

Sequence: 1 gccccattaccattccagattcg 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 2339354128 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :  
EST:  
1: gb\_est1:  
2: gb\_est2:  
3: gb\_est3:  
4: gb\_hic:  
5: gb\_est4:  
6: gb\_est5:  
7: gb\_est6:  
8: gb\_est7:  
9: gb\_gse1:  
10: gb\_gse2:  
11: gb\_gse3:

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	677	3	BM695624 UI-E-COI-
2	21	95.5	743	10	AG186833 Pan trogl
3	20	90.9	937	10	CG823071 SOYMA3TV
4	18.8	85.5	528	5	BY388277 BY388277
5	18.8	85.5	1117	9	CC217184 CH261-53F
6	18.4	83.6	214	2	BG077870 UI-M-BH3-
7	18.4	83.6	392	2	BI135101 CR589211
8	18.4	83.6	814	2	BR367801 601217423
9	18	81.8	521	7	CM111828 EC2CA37C
10	18	81.8	539	9	AQ663487 HS_5470-A
11	18	81.8	542	8	CM334240 JGI_CAAO3
12	18	81.8	542	8	CM334241 JGI_CAAO3
13	18	81.8	683	3	BI650943 603297273
14	18	81.8	710	7	CR589211 CR589211
15	18	81.8	788	8	CM314388 JGI_CAA4
16	17.8	80.9	247	1	AV255284 AV255284
17	17.8	80.9	281	2	BB308747 BB308747
18	17.8	80.9	285	1	BB156459 BB156459
19	17.8	80.9	293	8	AV117985 AV117985
20	17.8	80.9	326	8	RI3706 YF44F06.r1
21	17.8	80.9	351	5	BU441966 603019290
22	17.8	80.9	376	8	DN855497 4152112 B

C 23	17.8	80.9	378	2	BB808561 BB808561
C 24	17.8	80.9	379	5	BU345656 BU345656
C 25	17.8	80.9	380	5	BU291241 BU291241
C 26	17.8	80.9	385	5	EX263804 EX263804
C 27	17.8	80.9	394	7	CV037363 CV037363
C 28	17.8	80.9	399	5	EX271114 EX271114
C 29	17.8	80.9	401	5	EX271115 EX271115
C 30	17.8	80.9	423	5	EX257580 EX257580
C 31	17.8	80.9	423	5	DN930224 4155977 B
C 32	17.8	80.9	427	7	CM225310 WLA070C11
C 33	17.8	80.9	430	5	EX263803 EX263803
C 34	17.8	80.9	433	5	BU339874 BU339874
C 35	17.8	80.9	439	5	EX259224 EX259224
C 36	17.8	80.9	439	5	EX259225 EX259225
C 37	17.8	80.9	442	5	BU417324 BU417324
C 38	17.8	80.9	443	1	AI979809 pac_pK000
C 39	17.8	80.9	443	5	EX259256 EX259256
C 40	17.8	80.9	445	5	EX257581 EX257581
C 41	17.8	80.9	459	7	CK608723 IPNd_H12
C 42	17.8	80.9	475	5	BU216210 BU216210
C 43	17.8	80.9	475	6	CD762041 GGEZSM101
C 44	17.8	80.9	477	6	CD761786 GGEZSM101
C 45	17.8	80.9	510	5	BU328747 BU328747
C 46	17.8	80.9	522	5	BU337340 BU337340
C 47	17.8	80.9	522	7	CR371168 CR371168
C 48	17.8	80.9	586	5	BU303491 BU303491
C 49	17.8	80.9	589	5	EX310298 EX310298
C 50	17.8	80.9	591	5	EX302213 EX302213
C 51	17.8	80.9	603	5	EX301136 EX301136
C 52	17.8	80.9	617	5	EX302212 EX302212
C 53	17.8	80.9	632	5	EX301137 EX301137
C 54	17.8	80.9	636	7	CR364532 CR364532
C 55	17.8	80.9	645	5	EX866531 EX866531
C 56	17.8	80.9	665	9	AZ406327 1M0175G06
C 57	17.8	80.9	666	9	AZ574556 330PVA09
C 58	17.8	80.9	675	5	CR376096 CR376096
C 59	17.8	80.9	680	5	EX310297 EX310297
C 60	17.8	80.9	693	10	AG307983 Mus muscu
C 61	17.8	80.9	726	5	BU345081 BU345081
C 62	17.8	80.9	746	7	CR362295 CR362295
C 63	17.8	80.9	747	7	CO58553 CO58553
C 64	17.8	80.9	785	7	CM233083 CM233083
C 65	17.8	80.9	796	5	EX865766 EX865766
C 66	17.8	80.9	802	7	CV104923 AGENCOURT
C 67	17.8	80.9	815	5	BU166148 AGENCOURT
C 68	17.8	80.9	827	8	EX757171 AGENCOURT
C 69	17.8	80.9	910	5	EX327279 EX327279
C 70	17.8	80.9	919	10	CL069786 CL069786
C 71	17.8	80.9	922	5	BU121741 BU121741
C 72	17.8	80.9	925	5	BU121667 BU121667
C 73	17.8	80.9	978	6	CA226203 SCVFL304
C 74	17.8	80.9	1223	9	CC262029 CC262029
C 75	17.4	79.1	224	9	BZ286877 SALK_0202
C 76	17.4	79.1	369	9	AZ898682 RPTI_24-2
C 77	17.4	79.1	528	7	CO099611 GR_Ea24J
C 78	17.4	79.1	539	7	CO089470 GR_Ea08P
C 79	17.4	79.1	547	2	BE014553 126329 MA
C 80	17.4	79.1	560	7	CO094045 GR_Ea15O
C 81	17.4	79.1	584	7	CO097447 GR_Ea21E
C 82	17.4	79.1	584	7	CO086403 GR_Ea04F
C 83	17.4	79.1	584	7	CO089200 GR_Ea08J
C 84	17.4	79.1	638	7	CO081299 GR_Ea45E
C 85	17.4	79.1	638	9	BZ480396 BONDY75TF
C 86	17.4	79.1	734	1	AU130537 AU130537
C 87	17.4	79.1	741	7	CM057548 Salmamade
C 88	17.4	79.1	939	7	CK187797 EST777112
C 89	17.4	79.1	997	10	CL093298 ISB1-23F2
C 90	17.4	79.1	1079	10	CL008827 ZMMBBD054
C 91	17.2	78.2	255	2	BB534713 BB534713
C 92	17.2	78.2	285	1	AV216943 AV216943
C 93	17.2	78.2	298	1	AV145849 AV145849
C 94	17.2	78.2	309	1	AL838891 AL838891
C 95	17.2	78.2	331	10	EX141814 Danio rer

C 96	17.2	78.2	357	9	AQ276332	AQ276332	CITBT-EI-	169	16.8	76.4	388	1	AA243822	AA243822	zr67908.r
C 97	17.2	78.2	378	1	AA372121	AA372121	BST83986	C 170	16.8	76.4	393	9	AZ007489	AZ007489	RPCI-23-3
C 98	17.2	78.2	436	1	AQ297466	HS_3059-A	AQ297466	C 171	16.8	76.4	395	10	CZ587948	CZ587948	OA_BB4014
C 99	17.2	78.2	422	2	BF297878	RCO-NT015	BF297878	C 172	16.8	76.4	404	5	BY506640	BY506640	BY506640
C 100	17.2	78.2	461	9	AQ587110	AQ587110	RPCI-11-4	C 173	16.8	76.4	409	3	BQ266045	BQ266045	NISC_Ffl0
C 101	17.2	78.2	453	6	CF279740	14BTL--06	CF279740	C 174	16.8	76.4	414	5	BU493992	BU493992	wa03h06.
C 102	17.2	78.2	478	2	BB766935	BB766935	BB766935	C 175	16.8	76.4	421	1	AA233094	AA233094	zr68c08.r
C 103	17.2	78.2	509	2	BE756261	BE756261	210348 MA	C 176	16.8	76.4	441	5	BY452097	BY452097	zr68c08.r
C 104	17.2	78.2	513	11	CR068318	CR068318	Forward B	C 177	16.8	76.4	441	5	CR582062	CR582062	zr68c08.r
C 105	17.2	78.2	531	2	BB767799	BB767799	CEI82760	C 178	16.8	76.4	467	6	CD011827	CD011827	VVB028801
C 106	17.2	78.2	535	2	CEI82760	CEI82760	LIgr-g8s-	C 179	16.8	76.4	468	9	CEI59586	CEI59586	LIgr-g8s-
C 107	17.2	78.2	538	8	AQ0807453	AQ0807453	HS_3207 B	C 180	16.8	76.4	486	8	DR621205	DR621205	EST101133
C 108	17.2	78.2	540	3	BM420141	BM420141	RO24C06 O	C 181	16.8	76.4	496	9	AQ020454	AQ020454	HS_3234.A
C 109	17.2	78.2	548	3	BM419979	BM419979	RO21P05 O	C 182	16.8	76.4	502	1	AL1675817	AL1675817	wd57c03.x
C 110	17.2	78.2	548	3	BZ708924	BZ708924	OCEAL05TH	C 183	16.8	76.4	508	2	BG359766	BG359766	sac28c11.
C 111	17.2	78.2	548	11	DE012438	DE012438	Branch10s	C 184	16.8	76.4	523	10	CM534350	CM534350	Oryzias 1
C 112	17.2	78.2	560	9	AQ526757	AQ526757	HS_5216 A	C 185	16.8	76.4	526	11	DE090454	DE090454	Oryzias 1
C 113	17.2	78.2	574	5	BU439826	BU439826	604143510	C 186	16.8	76.4	532	2	BB664254	BB664254	148635 MA
C 114	17.2	78.2	585	6	CD332615	CD332615	StrPu537.	C 187	16.8	76.4	540	5	CA057001	CA057001	g8a1rpb53
C 115	17.2	78.2	587	3	BM508036	BM508036	1j38c03.x	C 188	16.8	76.4	540	8	N28902	N28902	yx63e11.r1
C 116	17.2	78.2	589	10	CE303100	CE303100	LIgr-g8s-	C 189	16.8	76.4	552	9	AQ772395	AQ772395	HS_5490.B
C 117	17.2	78.2	615	5	CA052467	CA052467	s8a1rpb52	C 190	16.8	76.4	553	9	BM773278	BM773278	uzmb003f0
C 118	17.2	78.2	655	6	CB377351	CB377351	CMaE1_36	C 191	16.8	76.4	567	5	BK275703	BK275703	BK275703
C 119	17.2	78.2	685	9	BZ310334	1c52f09.B	AU077776	C 192	16.8	76.4	578	9	AQ383136	AQ383136	RPCI11-16
C 120	17.2	78.2	710	1	AU077776	AU077776	23523.3 D	C 193	16.8	76.4	599	7	CO288297	CO288297	WS0014.B2
C 121	17.2	78.2	720	6	CB310834	CB310834	AEENCOURT	C 194	16.8	76.4	599	11	FR0021188	FR0021188	AL014665 F.rubripe
C 122	17.2	78.2	737	6	CB310834	CB310834	AEENCOURT	C 195	16.8	76.4	602	5	BM774174	BM774174	BK274174
C 123	17.2	78.2	745	9	AQ914212	AQ914212	medb0047L	C 196	16.8	76.4	602	9	AZ553952	AZ553952	RPCI-23-1
C 124	17.2	78.2	754	1	BB103223	BB103223	BB103223	C 197	16.8	76.4	602	11	DR34M23T	DR34M23T	AL974488 Danilo rer
C 125	17.2	78.2	758	5	BU814461	BU814461	NO30a09	C 198	16.8	76.4	603	7	CN073729	CN073729	ECOCBA004
C 126	17.2	78.2	774	2	BI197155	BI197155	602756655	C 199	16.8	76.4	614	7	AN073728	AN073728	ECOCBA004
C 127	17.2	78.2	781	10	BK192368	BK192368	Danilo rer	C 200	16.8	76.4	621	9	AZ406875	AZ406875	LM0176115
C 128	17.2	78.2	800	10	CG378780	CG378780	OGMAF77TH	C 201	16.8	76.4	624	7	CM485174	CM485174	hx24b03.Y
C 129	17.2	78.2	863	10	CG817999	CG817999	SOYAS30TH	C 202	16.8	76.4	632	2	BB437186	BB437186	BB437186
C 130	17.2	78.2	937	9	AQ750734	AQ750734	HS_3574.B	C 203	16.8	76.4	637	3	BJ830315	BJ830315	BJ830315
C 131	17.2	78.2	973	10	CL091209	ISBL-20A2	CL091209	C 204	16.8	76.4	638	6	CD761441	CD761441	GGEZSM101
C 132	17.2	78.2	1163	2	BF129228	BF129228	601810816	C 205	16.8	76.4	638	7	CO981437	CO981437	BM89911A2
C 133	17.2	78.2	1753	6	BF527647	BF527647	602040619	C 206	16.8	76.4	642	5	BK275702	BK275702	BK275702
C 134	17.2	78.2	198	6	CA342756	CA342756	672703 NC	C 207	16.8	76.4	653	9	AZ627613	AZ627613	IM0469D05
C 135	17.2	78.2	384	5	BY503078	BY503078	BY503078	C 208	16.8	76.4	670	6	CB916052	CB916052	VVD106A10
C 136	17.2	78.2	458	2	BB670342	BB670342	BB670342	C 209	16.8	76.4	673	3	BM488728	BM488728	PSM2n.pK0
C 137	17.2	78.2	512	5	BY490241	BY490241	BY490241	C 210	16.8	76.4	684	1	AL705085	AL705085	DKFZp686F
C 138	17.2	78.2	585	9	AQ463324	AQ463324	HS_5205 B	C 211	16.8	76.4	692	9	BZ229350	BZ229350	CH230-488
C 139	17.2	78.2	591	8	DN884596	DN884596	naF23e06.	C 212	16.8	76.4	704	2	BB653569	BB653569	BB653569
C 140	17.2	78.2	602	8	DN884595	DN884595	naF23e06.	C 213	16.8	76.4	707	10	AQ349325	AQ349325	Mus muscu
C 141	17.2	78.2	619	11	FR0003887	FR0003887	z87670 F.rubripe	C 214	16.8	76.4	708	10	BK200307	BK200307	Danilo rer
C 142	17.2	78.2	633	9	AZ875112	AZ875112	2F0189C01	C 215	16.8	76.4	709	10	CZ698535	CZ698535	OC_Ba001
C 143	17.2	78.2	665	9	AQ308569	AQ308569	CITBT-EI-	C 216	16.8	76.4	713	5	AG180741	AG180741	Pan. txcg1
C 144	17.2	78.2	787	9	CC859337	CC859337	NDL.12111	C 217	16.8	76.4	713	5	BU367951	BU367951	603786147
C 145	17.2	78.2	804	8	CX045187	CX045187	UCRCS07.2	C 218	16.8	76.4	716	7	CO206417	CO206417	MS00911.B
C 146	17.2	78.2	886	8	CX545846	CX545846	UCRPT01_5	C 219	16.8	76.4	723	2	BG871533	BG871533	602789975
C 147	17.2	78.2	897	10	CS0802K3R	CS0802K3R	AL0101024	C 220	16.8	76.4	729	3	BU578824	BU578824	BU578824
C 148	17.2	78.2	914	7	CK938216	CK938216	Tetraodon	C 221	16.8	76.4	730	10	CM897450	CM897450	RPCI42_13
C 149	17.2	78.2	1000	1	AL552693	AL552693	CGF100447	C 222	16.8	76.4	740	10	CM374931	CM374931	FBb0001f0
C 150	17.2	78.2	1024	8	DN577706	DN577706	93903482	C 223	16.8	76.4	741	8	CX326505	CX326505	JGI_XZT15
C 151	16.8	76.4	176	1	AV166016	AV166016	AV166016	C 224	16.8	76.4	742	10	AG475347	AG475347	Mus muscu
C 152	16.8	76.4	191	1	BB050101	BB050101	BB050101	C 225	16.8	76.4	743	5	BU139309	BU139309	603133478
C 153	16.8	76.4	243	1	AV262368	AV262368	AV262368	C 226	16.8	76.4	746	9	CC572750	CC572750	CH240_449
C 154	16.8	76.4	264	2	BB454226	BB454226	BB454226	C 227	16.8	76.4	749	9	CX965899	CX965899	JGI_CAAPI
C 155	16.8	76.4	282	2	BB291068	BB291068	BB291068	C 228	16.8	76.4	751	11	CR825386	CR825386	GROAAA56C
C 156	16.8	76.4	288	1	AV218023	AV218023	AV218023	C 229	16.8	76.4	753	11	CM532728	CM532728	OP_Ba003
C 157	16.8	76.4	297	2	BB246671	BB246671	BB246671	C 230	16.8	76.4	762	11	DE099003	DE099003	Oryzias 1
C 158	16.8	76.4	305	1	AV308615	AV308615	AV308615	C 231	16.8	76.4	767	10	BK149668	BK149668	Danilo rer
C 159	16.8	76.4	312	2	BB554275	BB554275	BB554275	C 232	16.8	76.4	773	8	DS579401	DS579401	MS00751.C
C 160	16.8	76.4	319	9	BM194848	BM194848	TC3-64U7.	C 233	16.8	76.4	776	10	CZ740067	CZ740067	OC_Ba008
C 161	16.8	76.4	322	9	CC366042	CC366042	P0HRV91TD	C 234	16.8	76.4	794	10	BM177993	BM177993	Danilo rer
C 162	16.8	76.4	327	1	AA375263	AA375263	EST87541	C 235	16.8	76.4	796	7	CK316879	CK316879	SGI_CABAT
C 163	16.8	76.4	330	5	BU493714	BU493714	va02f09.	C 236	16.8	76.4	796	8	DN052933	DN052933	JGI_CABAT
C 164	16.8	76.4	332	1	AI7843398	AI7843398	tw67e10..x	C 237	16.8	76.4	797	11	CR816950	CR816950	GROAAA1D
C 165	16.8	76.4	339	2	BB453214	BB453214	BB453214	C 238	16.8	76.4	804	8	DS520526	DS520526	WS0277.BR
C 166	16.8	76.4	340	1	AU109897	AU109897	AU109897	C 239	16.8	76.4	808	9	BZ971110	BZ971110	PUG12547B
C 167	16.8	76.4	359	5	BY398284	BY398284	BY398284	C 240	16.8	76.4	809	8	DN280834	DN280834	1161975 M
C 168	16.8	76.4	379	10	CZ018958	CZ018958	CH240_505	C 241	16.8	76.4	810	8	DR517145	DR517145	WS02745.C

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:56:50 ; Search time 59,7826 Seconds

(without alignments)  
654.143 Million cell updates/sec

Title: US-10-625-124-4

Perfect score: 22

Sequence: 1 gccccatcacatccagatctg 22

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

Database : Issued Patents NA:\*

- 1: /cgn2\_6/ptodata/1/ina/1\_COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5\_COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/H\_COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*
- 7: /cgn2\_6/ptodata/1/ina/PP\_COMB.seq:\*
- 8: /cgn2\_6/ptodata/1/ina/RE\_COMB.seq:\*
- 9: /cgn2\_6/ptodata/1/ina/backfilest1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17.2	78.2	1116	US-09-949-016-11921	Sequence 125, App
2	17.2	78.2	53442	US-09-949-016-11921	Sequence 11921, A
3	17.2	78.2	53453	US-09-949-016-11370	Sequence 11370, A
4	16.4	74.5	601	US-09-949-016-23068	Sequence 23068, A
5	16.4	74.5	601	US-09-949-016-169775	Sequence 169775, A
6	16.4	74.5	28819	US-09-949-016-15806	Sequence 15806, A
7	16.4	74.5	258775	US-09-949-016-14335	Sequence 16335, A
8	16.2	73.6	601	US-09-949-016-115308	Sequence 125308, A
9	16.2	73.6	601	US-09-949-016-13547	Sequence 147679, A
10	16.2	73.6	636	US-09-949-016-15289	Sequence 4870, Ap
11	16.2	73.6	1314	US-09-949-016-15289	Sequence 15289, A
12	16.2	73.6	4957	US-09-949-016-1240	Sequence 13440, A
13	16.2	73.6	20182	US-09-949-016-15289	Sequence 3, Appl1
14	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
15	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
16	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
17	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
18	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
19	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
20	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
21	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
22	16.2	73.6	43950	US-09-949-016-15289	Sequence 3, Appl1
23	15.8	71.8	601	US-09-949-016-15289	Sequence 126623, A
24	15.8	71.8	601	US-09-949-016-15289	Sequence 152438, A

25	15.8	71.8	725	US-08-936-165A-211	Sequence 211, App
26	15.8	71.8	973	US-09-599-360B-71	Sequence 71, Appl
27	15.8	71.8	2521	US-09-620-312D-1015	Sequence 1015, Ap
28	15.8	71.8	2550	US-09-620-312D-1014	Sequence 1014, Ap
29	15.8	71.8	5227	US-09-919-172-79	Sequence 79, Appl
30	15.8	71.8	5228	US-09-919-172-79	Sequence 216, App
31	15.8	71.8	15069	US-09-949-016-12886	Sequence 12886, A
32	15.8	71.8	34185	US-09-949-016-12798	Sequence 3, Appl1
33	15.8	71.8	45183	US-09-949-016-12798	Sequence 12798, A
34	15.8	71.8	46745	US-09-949-016-12798	Sequence 13964, A
35	15.8	71.8	64467	US-09-803-671B-3	Sequence 3, Appl1
36	15.8	71.8	64467	US-10-274-409-3	Sequence 3, Appl1
37	15.8	71.8	77994	US-09-949-016-12517	Sequence 12517, A
38	15.8	71.8	77994	US-09-949-016-16021	Sequence 16021, A
39	15.8	71.8	86980	US-09-949-016-15344	Sequence 15344, A
40	15.8	71.8	102409	US-09-949-016-17061	Sequence 17061, A
41	15.8	71.8	102409	US-09-949-016-15148	Sequence 15148, A
42	15.8	71.8	117838	US-09-949-016-17595	Sequence 17595, A
43	15.8	71.8	138282	US-09-949-016-15307	Sequence 15307, A
44	15.8	71.8	285478	US-09-949-016-13362	Sequence 13362, A
45	15.6	70.9	150	US-09-513-999C-34801	Sequence 34801, A
46	15.6	70.9	158	US-09-513-999C-34801	Sequence 34800, A
47	15.6	70.9	427	US-09-621-976-8512	Sequence 8512, Ap
48	15.6	70.9	430	US-09-621-976-9757	Sequence 9757, Ap
49	15.6	70.9	498	US-09-621-976-1174	Sequence 1174, Ap
50	15.6	70.9	601	US-09-949-016-58281	Sequence 58281, A
51	15.6	70.9	601	US-09-949-016-102944	Sequence 102944, A
52	15.6	70.9	601	US-09-949-016-202928	Sequence 202928, A
53	15.6	70.9	601	US-09-949-001-551	Sequence 551, App
54	15.6	70.9	618	US-09-949-001-552	Sequence 552, App
55	15.6	70.9	858	US-09-270-767-2021	Sequence 27021, A
56	15.6	70.9	858	US-10-101-464A-341	Sequence 341, App
57	15.6	70.9	1102	US-09-270-767-11441	Sequence 11441, A
58	15.6	70.9	1160	US-10-101-464A-846	Sequence 846, App
59	15.6	70.9	1236	US-09-328-352-1558	Sequence 1558, App
60	15.6	70.9	2603	US-09-620-312D-903	Sequence 903, App
61	15.6	70.9	3417	US-10-104-047-808	Sequence 808, App
62	15.6	70.9	12880	US-09-949-016-16733	Sequence 16733, A
63	15.6	70.9	13146	US-08-724-354D-3	Sequence 3, Appl1
64	15.6	70.9	13146	US-09-270-984A-3	Sequence 3, Appl1
65	15.6	70.9	14012	US-09-949-016-174625	Sequence 14625, A
66	15.6	70.9	15229	US-09-949-016-14335	Sequence 14335, A
67	15.6	70.9	19145	US-09-949-016-12244	Sequence 12244, A
68	15.6	70.9	19145	US-09-949-016-13941	Sequence 13941, A
69	15.6	70.9	21800	US-09-949-016-13744	Sequence 13744, A
70	15.6	70.9	23096	US-09-949-016-17456	Sequence 17456, A
71	15.6	70.9	24818	US-09-949-016-13108	Sequence 13108, A
72	15.6	70.9	32176	US-09-949-016-12479	Sequence 12479, A
73	15.6	70.9	40936	US-09-949-016-16607	Sequence 16607, A
74	15.6	70.9	40936	US-09-949-016-16608	Sequence 16608, A
75	15.6	70.9	43726	US-09-949-016-17578	Sequence 17578, A
76	15.6	70.9	51273	US-09-949-016-13018	Sequence 13018, A
77	15.6	70.9	51698	US-09-949-016-12671	Sequence 12671, A
78	15.6	70.9	55158	US-09-949-002-128	Sequence 728, App
79	15.6	70.9	63311	US-09-949-016-14582	Sequence 14582, A
80	15.6	70.9	64994	US-09-949-002-688	Sequence 688, App
81	15.6	70.9	72504	US-09-949-016-14855	Sequence 14855, A
82	15.6	70.9	76553	US-09-949-016-13314	Sequence 13314, A
83	15.6	70.9	86936	US-09-949-016-17313	Sequence 17313, A
84	15.6	70.9	129778	US-09-949-016-12191	Sequence 12191, A
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86	15.6	70.9	134140	US-09-949-016-12672	Sequence 12672, A
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88	15.6	70.9	134242	US-09-949-016-15813	Sequence 15813, A
89	15.6	70.9	134242	US-09-949-016-15814	Sequence 15814, A
90	15.6	70.9	134242	US-09-949-016-15815	Sequence 15815, A
91	15.6	70.9	143736	US-09-949-001-29	Sequence 29, Appl
92	15.6	70.9	146034	US-09-949-001-35	Sequence 35, Appl
93	15.6	70.9	150394	US-09-949-016-13042	Sequence 13042, A
94	15.6	70.9	194933	US-09-949-016-14172	Sequence 14172, A
95	15.6	70.9	200663	US-09-949-016-12569	Sequence 12569, A
96	15.6	70.9	251769	US-09-949-016-13185	Sequence 13185, A
97	15.6	70.9	251769	US-09-949-016-13186	Sequence 13186, A



C 98	15.6	70.9	266748	3	US-09-949-016-13187	Sequence 13187, A	171	15.2	69.1	47420	3	US-09-949-016-15484	Sequence 15484, A
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C 101	15.6	70.9	360470	3	US-09-949-016-13173	Sequence 13173, A	C 174	15.2	69.1	63544	3	US-09-949-016-14025	Sequence 14025, A
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C 104	15.4	70.0	601	3	US-09-949-016-63514	Sequence 63514, A	C 177	15.2	69.1	99748	3	US-09-949-016-11990	Sequence 11990, A
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C 108	15.4	70.0	601	3	US-09-949-016-188158	Sequence 188158, A	C 181	15.2	69.1	102008	3	US-09-949-016-16617	Sequence 16617, A
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C 110	15.4	70.0	1551	3	US-09-620-312D-923	Sequence 923, Appl	C 183	15.2	69.1	129327	3	US-09-949-016-15368	Sequence 15368, A
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C 112	15.4	70.0	1713	3	US-09-620-312D-922	Sequence 922, App	C 185	15.2	69.1	156950	3	US-09-949-016-15946	Sequence 15946, A
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C 114	15.4	70.0	44653	3	US-09-949-016-11944	Sequence 11944, A	C 187	15.2	69.1	173787	3	US-09-949-016-12542	Sequence 12542, A
C 115	15.4	70.0	44653	3	US-09-949-016-15690	Sequence 15690, A	C 188	15.2	69.1	173791	3	US-09-949-016-17302	Sequence 17302, A
C 116	15.4	70.0	78720	3	US-09-949-016-12710	Sequence 12710, A	C 189	15.2	69.1	193303	3	US-09-497-855A-17	Sequence 37, Appl
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C 121	15.4	70.0	176006	3	US-09-949-016-16804	Sequence 16804, A	C 194	15.2	69.1	248968	3	US-09-949-016-12614	Sequence 12614, A
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C 125	15.4	70.0	228896	3	US-09-949-016-13209	Sequence 13209, A	C 198	15.2	69.1	260293	3	US-09-949-016-12106	Sequence 12106, A
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C 130	15.4	70.0	256176	3	US-09-949-016-15554	Sequence 15554, A	C 203	15.2	69.1	784019	3	US-09-949-016-14033	Sequence 14033, A
C 131	15.4	70.0	264206	3	US-09-949-016-12731	Sequence 12731, A	C 204	15.2	69.1	784019	3	US-09-949-016-12777	Sequence 12777, A
C 132	15.4	70.0	264206	3	US-09-949-016-12731	Sequence 12731, A	C 205	15.2	69.1	828152	3	US-09-949-016-15533	Sequence 15533, A
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C 136	15.2	69.1	447	3	US-09-248-796A-8316	Sequence 8316, Ap	C 209	15.2	69.1	2715	3	US-09-543-681A-2771	Sequence 2771, Ap
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C 142	15.2	69.1	601	3	US-09-949-016-112641	Sequence 112641, A	C 215	14.8	67.3	32	3	US-10-002-389-5	Sequence 5, Appl1
C 143	15.2	69.1	601	3	US-09-949-016-128716	Sequence 128716, A	C 216	14.8	67.3	32	3	US-10-672-408-5	Sequence 82, Appl1
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C 145	15.2	69.1	601	3	US-09-949-016-172181	Sequence 172181, A	C 218	14.8	67.3	294	3	US-09-513-999C-21857	Sequence 21857, A
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C 148	15.2	69.1	601	3	US-09-949-016-205125	Sequence 205125, A	C 221	14.8	67.3	295	3	US-08-766-350B-25	Sequence 25, Appl
C 149	15.2	69.1	684	3	US-09-248-796A-6920	Sequence 6920, Ap	C 222	14.8	67.3	339	2	US-08-785-571-5	Sequence 5, Appl1
C 150	15.2	69.1	888	3	US-09-248-796A-2200	Sequence 2200, Ap	C 223	14.8	67.3	339	6	PCT-US93-06734-5	Sequence 5, Appl1
C 151	15.2	69.1	1659	2	US-08-548-509-4	Sequence 4, Appl1	C 224	14.8	67.3	471	3	US-08-318-970B-34	Sequence 34, Appl1
C 152	15.2	69.1	1794	3	US-10-104-047-1581	Sequence 1581, Ap	C 225	14.8	67.3	498	2	US-09-248-796A-4073	Sequence 4073, Ap
C 153	15.2	69.1	1851	3	US-09-248-796A-889	Sequence 889, App	C 226	14.8	67.3	498	2	US-08-318-905-11	Sequence 11, Appl
C 154	15.2	69.1	1862	3	US-09-238-796C-1	Sequence 1, Appl1	C 227	14.8	67.3	498	2	US-08-483-232-11	Sequence 11, Appl
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C 156	15.2	69.1	4159	3	US-09-614-912-139	Sequence 139, App	C 229	14.8	67.3	498	2	US-08-483-140-11	Sequence 11, Appl
C 157	15.2	69.1	4278	3	US-08-961-527-153	Sequence 153, App	C 230	14.8	67.3	498	2	US-08-910-041-11	Sequence 11, Appl
C 158	15.2	69.1	4471	2	US-08-615-942A-1	Sequence 1, Appl1	C 231	14.8	67.3	498	3	US-09-328-474-11	Sequence 11, Appl
C 159	15.2	69.1	4471	3	US-09-237-325-1	Sequence 1, Appl1	C 232	14.8	67.3	498	3	US-09-100-546-11	Sequence 11, Appl
C 160	15.2	69.1	8477	3	US-09-949-016-11293	Sequence 1293, Ap	C 233	14.8	67.3	498	3	US-09-010-715-11	Sequence 11, Appl
C 161	15.2	69.1	8478	3	US-09-949-016-7	Sequence 7, Appl1	C 234	14.8	67.3	498	3	US-09-577-758-11	Sequence 11, Appl
C 162	15.2	69.1	10502	3	US-09-949-016-16708	Sequence 16708, A	C 235	14.8	67.3	573	3	US-09-248-796A-5065	Sequence 5065, Ap
C 163	15.2	69.1	12183	3	US-09-949-016-1066	Sequence 1066, Ap	C 236	14.8	67.3	601	3	US-09-949-016-19300	Sequence 29300, A
C 164	15.2	69.1	14185	3	US-09-949-016-14809	Sequence 14809, A	C 237	14.8	67.3	601	3	US-09-949-016-18258	Sequence 8258, A
C 165	15.2	69.1	15084	3	US-09-949-016-16277	Sequence 16277, A	C 238	14.8	67.3	601	3	US-09-949-016-80234	Sequence 80234, A
C 166	15.2	69.1	17085	3	US-09-949-016-15657	Sequence 15657, A	C 239	14.8	67.3	601	3	US-09-949-016-80235	Sequence 80235, A
C 167	15.2	69.1	19601	3	US-09-949-016-15629	Sequence 15629, A	C 240	14.8	67.3	601	3	US-09-949-016-80236	Sequence 80236, A
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OM nucleic - nucleic search, using sw model

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312.052 Million cell updates/sec

Title: US-10-625-124-4

Perfect score: 22

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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## SUMMARIES

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3	18.8	85.5	352	US-09-925-065A-398722	Sequence 398722, A
4	17.8	80.9	613	US-09-925-065A-696796	Sequence 696796, A
5	17.8	80.9	63155	US-10-322-281-449	Sequence 449, App
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9	17.2	78.2	611	US-09-925-065A-824557	Sequence 824557, A
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12	17.2	78.2	1116	US-10-194-153-125	Sequence 125, App
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15	17.2	78.2	53779	US-10-737-082-85	Sequence 85, Appl
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18	17.2	77.3	619	US-09-925-065A-528582	Sequence 528582, A
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49	16.8	76.4	2526	US-10-437-963-38425	Sequence 38425, A
50	16.8	76.4	141912	US-10-292-798-983	Sequence 983, App
51	16.8	76.4	403035	US-10-741-601-5729	Sequence 5729, App
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57	16.4	74.5	3168	US-10-437-963-15006	Sequence 15006, A
58	16.4	74.5	6317	US-10-311-455-382	Sequence 382, App
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61	16.2	73.6	420	US-10-674-1244-9328	Sequence 9328, App
62	16.2	73.6	464	US-10-027-632-250769	Sequence 250769, A
63	16.2	73.6	464	US-10-027-632-250769	Sequence 250769, A
64	16.2	73.6	464	US-10-027-632-250769	Sequence 250769, A
65	16.2	73.6	464	US-10-027-632-250769	Sequence 250769, A
66	16.2	73.6	470	US-09-925-065A-584010	Sequence 584010, A
67	16.2	73.6	474	US-09-925-065A-584013	Sequence 584013, A
68	16.2	73.6	474	US-09-925-065A-219068	Sequence 219068, A
69	16.2	73.6	475	US-10-437-963-94745	Sequence 94745, A
70	16.2	73.6	476	US-09-925-065A-122641	Sequence 122641, A
71	16.2	73.6	476	US-09-925-065A-219067	Sequence 219067, A
72	16.2	73.6	482	US-10-242-535A-26414	Sequence 26414, A
73	16.2	73.6	482	US-10-085-783A-26414	Sequence 26414, A
74	16.2	73.6	489	US-10-425-115-138438	Sequence 138438, A
75	16.2	73.6	506	US-09-925-065A-157371	Sequence 157371, A
76	16.2	73.6	506	US-09-925-065A-157373	Sequence 157373, A
77	16.2	73.6	506	US-09-925-065A-157373	Sequence 157373, A
78	16.2	73.6	506	US-09-925-065A-157373	Sequence 157373, A
79	16.2	73.6	518	US-10-424-599-6068	Sequence 6068, App
80	16.2	73.6	529	US-09-925-065A-800028	Sequence 800028, A
81	16.2	73.6	535	US-09-925-065A-20088	Sequence 20088, A
82	16.2	73.6	568	US-09-925-065A-421508	Sequence 421508, A
83	16.2	73.6	568	US-09-925-065A-421508	Sequence 421508, A
84	16.2	73.6	574	US-09-925-065A-421509	Sequence 421509, A
85	16.2	73.6	584	US-09-925-065A-122247	Sequence 122247, A
86	16.2	73.6	589	US-09-925-065A-593830	Sequence 593830, A
87	16.2	73.6	589	US-09-925-065A-630503	Sequence 630503, A
88	16.2	73.6	589	US-09-925-065A-630503	Sequence 630503, A
89	16.2	73.6	627	US-09-925-065A-630505	Sequence 630505, A
90	16.2	73.6	627	US-09-925-065A-800027	Sequence 800027, A
91	16.2	73.6	628	US-09-925-065A-800029	Sequence 800029, A
92	16.2	73.6	628	US-09-925-065A-750751	Sequence 750751, A
93	16.2	73.6	631	US-10-027-632-250769	Sequence 250769, A
94	16.2	73.6	631	US-10-027-632-250769	Sequence 250769, A
95	16.2	73.6	648	US-09-925-065A-603678	Sequence 603678, A
96	16.2	73.6	652	US-09-925-065A-440233	Sequence 440233, A

97	16.2	73.6	656	4	US-09-925-065A-663699	Sequence 683699,	c 170	15.8	71.8	701	4	US-09-925-065A-552331	Sequence 552331,
c 98	16.2	73.6	658	4	US-09-925-065A-867185	Sequence 867185,	c 171	15.8	71.8	725	3	US-09-939-980-211	Sequence 211, App
c 99	16.2	73.6	659	7	US-10-167-701-25956	Sequence 25956, A	c 172	15.8	71.8	745	5	US-10-027-632-119255	Sequence 119295,
c 100	16.2	73.6	674	4	US-09-925-065A-863454	Sequence 863454,	c 173	15.8	71.8	745	6	US-10-027-632-119295	Sequence 119295,
c 101	16.2	73.6	689	4	US-09-925-065A-207639	Sequence 207639,	c 174	15.8	71.8	876	3	US-09-764-891-1032	Sequence 1032,
c 102	16.2	73.6	785	5	US-10-027-632-104022	Sequence 104022,	c 175	15.8	71.8	973	3	US-09-978-360A-48	Sequence 48, App1
c 103	16.2	73.6	785	5	US-10-027-632-323822	Sequence 323822,	c 176	15.8	71.8	973	6	US-10-315-664-71	Sequence 71, App1
c 104	16.2	73.6	785	6	US-10-027-632-104022	Sequence 104022,	c 177	15.8	71.8	1218	7	US-10-424-599-49257	Sequence 49257, A
c 105	16.2	73.6	785	6	US-10-027-632-323822	Sequence 323822,	c 178	15.8	71.8	1257	7	US-10-424-599-35876	Sequence 35876, A
c 106	16.2	73.6	1081	4	US-09-925-065A-83812	Sequence 83812, A	c 179	15.8	71.8	1350	8	US-10-425-115-111086	Sequence 111086,
c 107	16.2	73.6	1081	4	US-09-925-065A-83813	Sequence 83813, A	c 180	15.8	71.8	1515	7	US-10-282-122A-12481	Sequence 12481, A
c 108	16.2	73.6	1337	6	US-10-032-585-6130	Sequence 6130, App	c 181	15.8	71.8	1727	8	US-10-739-930-760	Sequence 760, App
c 109	16.2	73.6	1337	6	US-10-243-552-797	Sequence 797, App	c 182	15.8	71.8	1986	3	US-09-823-245A-573	Sequence 573, App
c 110	16.2	73.6	1647	3	US-09-938-842A-19	Sequence 19, App1	c 183	15.8	71.8	2145	9	US-10-450-763-6161	Sequence 6161, App
c 111	16.2	73.6	1647	3	US-09-938-842A-19	Sequence 19, App1	c 184	15.8	71.8	2236	7	US-10-437-963-3852	Sequence 3852, App
c 112	16.2	73.6	2000	3	US-09-938-842A-3307	Sequence 3307, App	c 185	15.8	71.8	2373	7	US-10-437-963-63548	Sequence 63548, A
c 113	16.2	73.6	2462	7	US-10-437-963-11616	Sequence 11616, A	c 186	15.8	71.8	2521	6	US-10-037-270-1015	Sequence 1015, App
c 114	16.2	73.6	2462	7	US-10-437-963-11616	Sequence 11616, A	c 187	15.8	71.8	2521	6	US-10-117-722-1015	Sequence 1015, App
c 115	16.2	73.6	2779	7	US-10-424-599-3246	Sequence 3246, App	c 188	15.8	71.8	2521	9	US-10-122-851-1015	Sequence 1015, App
c 116	16.2	73.6	3391	5	US-10-183-116-13	Sequence 13, App1	c 189	15.8	71.8	2549	7	US-10-437-963-80851	Sequence 80851, A
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c 118	16.2	73.6	3391	10	US-11-083-611-13	Sequence 13, App1	c 191	15.8	71.8	2550	6	US-10-117-722-1014	Sequence 1014, App
c 119	16.2	73.6	3459	8	US-10-357-930-24722	Sequence 24722, A	c 192	15.8	71.8	2550	6	US-10-123-851-1014	Sequence 1014, App
c 120	16.2	73.6	3720	7	US-10-437-963-46223	Sequence 46223, A	c 193	15.8	71.8	2600	8	US-10-368-493-26549	Sequence 26549, App
c 121	16.2	73.6	20146	8	US-10-741-600-17559	Sequence 17559, A	c 194	15.8	71.8	2610	6	US-10-368-493-26549	Sequence 26549, App
c 122	16.2	73.6	31533	8	US-10-741-600-17641	Sequence 17641, A	c 195	15.8	71.8	3213	7	US-10-149-310-199	Sequence 199, App
c 123	16.2	73.6	39533	8	US-10-388-838-108	Sequence 108, App	c 196	15.8	71.8	3213	7	US-10-149-310-199	Sequence 199, App
c 124	16.2	73.6	43950	3	US-09-935-934A-3	Sequence 3, App1	c 197	15.8	71.8	3331	5	US-10-087-192-2039	Sequence 2039, App
c 125	16.2	73.6	43950	5	US-10-060-332-3	Sequence 3, App1	c 198	15.8	71.8	3440	5	US-10-198-846-13642	Sequence 13642, A
c 126	16.2	73.6	43950	6	US-10-339-657-3	Sequence 3, App1	c 199	15.8	71.8	3441	3	US-09-814-353-19818	Sequence 19818, A
c 127	16.2	73.6	43950	8	US-10-885-879-3	Sequence 3, App1	c 200	15.8	71.8	4981	7	US-10-437-963-26537	Sequence 26537, A
c 128	16.2	73.6	62658	7	US-10-322-281-420	Sequence 420, App	c 201	15.8	71.8	5196	8	US-10-331-053-57	Sequence 57, App1
c 129	16.2	73.6	75033	7	US-10-319-915-18	Sequence 136, App	c 202	15.8	71.8	5227	3	US-09-919-112-79	Sequence 79, App1
c 130	16.2	73.6	98345	9	US-10-461-862-136	Sequence 127, App	c 203	15.8	71.8	5227	8	US-10-752-986-79	Sequence 79, App1
c 131	16.2	73.6	294575	9	US-10-737-082-127	Sequence 127, App	c 204	15.8	71.8	5228	8	US-09-919-039-216	Sequence 216, App1
c 132	16.2	73.6	294575	9	US-10-765-790-127	Sequence 48, App1	c 205	15.8	71.8	5346	8	US-10-331-053-59	Sequence 59, App1
c 133	16.2	73.6	313287	7	US-10-322-281-48	Sequence 7267, App	c 206	15.8	71.8	5588	10	US-11-097-143-27157	Sequence 27157, A
c 134	16.2	73.6	605	7	US-10-021-323-7267	Sequence 951, App	c 207	15.8	71.8	6598	3	US-09-764-891-7348	Sequence 7348, App
c 135	16.2	73.6	780	7	US-10-398-221-951	Sequence 2810, App	c 208	15.8	71.8	9528	10	US-11-097-143-27160	Sequence 14955, A
c 136	16.2	73.6	780	7	US-10-398-221-951	Sequence 48635, A	c 209	15.8	71.8	9736	10	US-11-097-143-19495	Sequence 27163, A
c 137	15.8	71.8	201	8	US-10-741-600-48635	Sequence 65845, A	c 210	15.8	71.8	9742	10	US-11-097-143-27163	Sequence 176, App
c 138	15.8	71.8	201	8	US-10-741-600-48635	Sequence 68187, A	c 211	15.8	71.8	9742	10	US-10-893-315-176	Sequence 3, App1
c 139	15.8	71.8	287	9	US-10-487-901-6853	Sequence 57158, A	c 212	15.8	71.8	34185	5	US-10-874-827-3	Sequence 3, App1
c 140	15.8	71.8	293	3	US-09-864-761-29187	Sequence 57158, A	c 213	15.8	71.8	34185	8	US-10-893-315-125	Sequence 125, App
c 141	15.8	71.8	312	7	US-10-242-535A-57158	Sequence 57158, A	c 214	15.8	71.8	34604	9	US-10-741-600-17906	Sequence 17906, A
c 142	15.8	71.8	312	7	US-10-085-783A-57158	Sequence 7117, App	c 215	15.8	71.8	42079	8	US-10-274-409-3	Sequence 3, App1
c 143	15.8	71.8	312	7	US-10-437-963-7117	Sequence 20476, A	c 216	15.8	71.8	64467	5	US-10-923-135-3	Sequence 3, App1
c 144	15.8	71.8	424	7	US-10-767-701-20476	Sequence 95, App1	c 217	15.8	71.8	64467	8	US-10-719-993-6778	Sequence 6778, App
c 145	15.8	71.8	424	6	US-10-313-669-95	Sequence 1921, App	c 218	15.8	71.8	85571	8	US-10-087-192-1330	Sequence 1330, App
c 146	15.8	71.8	488	9	US-09-925-065A-492830	Sequence 12614, A	c 219	15.8	71.8	102980	5	US-10-694-865-8	Sequence 8, App1
c 147	15.8	71.8	550	3	US-09-864-761-12614	Sequence 54202, A	c 220	15.8	71.8	106707	7	US-10-723-860-2768	Sequence 2768, App
c 148	15.8	71.8	559	5	US-10-027-632-54202	Sequence 322316, A	c 221	15.8	71.8	147620	9	US-10-981-277-28	Sequence 28, App1
c 149	15.8	71.8	559	5	US-10-027-632-54202	Sequence 322316, A	c 222	15.8	71.8	179687	9	US-10-981-277-28	Sequence 28, App1
c 150	15.8	71.8	559	6	US-10-027-632-54202	Sequence 322316, A	c 223	15.8	71.8	179687	9	US-10-981-277-28	Sequence 28, App1
c 151	15.8	71.8	559	6	US-10-027-632-54202	Sequence 322316, A	c 224	15.8	71.8	260549	8	US-10-741-600-17723	Sequence 17723, A
c 152	15.8	71.8	560	4	US-09-925-065A-492830	Sequence 381102, A	c 225	15.8	71.8	304477	7	US-10-322-281-456	Sequence 456, App
c 153	15.8	71.8	570	4	US-09-925-065A-492830	Sequence 151235, A	c 226	15.8	71.8	388627	9	US-10-504-689-3	Sequence 3, App1
c 154	15.8	71.8	572	4	US-09-925-065A-151235	Sequence 243912, A	c 227	15.8	71.8	405660	7	US-10-322-696-82	Sequence 82, App1
c 155	15.8	71.8	572	5	US-10-027-632-243911	Sequence 243912, A	c 228	15.8	71.8	405660	7	US-10-322-696-82	Sequence 82, App1
c 156	15.8	71.8	572	5	US-10-027-632-243911	Sequence 243912, A	c 229	15.8	71.8	3166778	5	US-10-027-632-174961	Sequence 174961, A
c 157	15.8	71.8	572	6	US-10-027-632-243912	Sequence 824883, A	c 230	15.6	70.9	25	10	US-11-036-317-725551	Sequence 725551, A
c 158	15.8	71.8	620	4	US-09-925-065A-828483	Sequence 486822, A	c 231	15.6	70.9	360	3	US-09-908-975-20217	Sequence 20217, A
c 159	15.8	71.8	626	4	US-09-925-065A-486922	Sequence 50135, A	c 232	15.6	70.9	135	5	US-09-764-869-1716	Sequence 1716, App
c 160	15.8	71.8	629	8	US-10-357-930-50135	Sequence 188699, A	c 233	15.6	70.9	135	5	US-10-091-504-4716	Sequence 1716, App
c 161	15.8	71.8	637	5	US-10-027-632-188699	Sequence 528519, A	c 234	15.6	70.9	227	3	US-09-864-761-18827	Sequence 28527, A
c 162	15.8	71.8	637	6	US-10-027-632-188699	Sequence 61539, A	c 235	15.6	70.9	305	7	US-09-764-869-1965	Sequence 6955, App
c 163	15.8	71.8	640	4	US-09-925-065A-525719	Sequence 4008, App	c 236	15.6	70.9	331	3	US-10-424-599-66077	Sequence 66077, A
c 164	15.8	71.8	657	7	US-10-424-599-61529	Sequence 9243, App	c 237	15.6	70.9	331	3	US-09-864-864-220	Sequence 220, App
c 165	15.8	71.8	665	9	US-10-956-157-9243	Sequence 230834, A	c 238	15.6	70.9	339	4	US-09-974-300-1164	Sequence 160316, A
c 166	15.8	71.8	667	9	US-10-956-157-9243	Sequence 230834, A	c 239	15.6	70.9	359	4	US-09-925-065A-160316	Sequence 11282, A
c 167	15.8	71.8	676	5	US-10-027-632-230834	Sequence 230834, A	c 240	15.6	70.9	376	8	US-10-674-124A-11882	Sequence 11882, A
c 168	15.8	71.8	676	6	US-10-027-632-230834	Sequence 230834, A	c 241	15.6	70.9	422	8	US-10-357-930-19601	Sequence 19601, A

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 21:54:48 ; Search time 290.783 Seconds  
(without alignments)  
176.412 Million cell updates/sec

Title: US-10-625-124-4

Perfect score: 22

Sequence: 1 gccccatcacctccagattcg 22

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues

Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

Published Applications NA New:\*

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- 2: /cgn2\_6/ptodata/1/pubphn/US06\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubphn/US07\_NEW\_PUB.seq:\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.8	85.5	352	6	US-09-925-065A-398722
2	17.8	80.9	613	6	US-09-925-065A-696796
3	17.2	78.2	611	6	US-09-925-065A-753205
4	17.2	78.2	611	6	US-09-925-065A-824556
5	17.2	78.2	611	6	US-09-925-065A-824557
6	17.2	78.2	611	6	US-09-925-065A-824557
7	17.2	78.2	611	6	US-09-925-065A-824557
8	17.2	78.2	611	6	US-09-925-065A-824557
9	17.2	78.2	611	6	US-09-925-065A-824557
10	17.2	78.2	611	6	US-09-925-065A-824557
11	17.2	78.2	611	6	US-09-925-065A-824557
12	17.2	78.2	611	6	US-09-925-065A-824557
13	17.2	78.2	611	6	US-09-925-065A-824557
14	17.2	78.2	611	6	US-09-925-065A-824557
15	17.2	78.2	611	6	US-09-925-065A-824557
16	17.2	78.2	611	6	US-09-925-065A-824557
17	17.2	78.2	611	6	US-09-925-065A-824557
18	17.2	78.2	611	6	US-09-925-065A-824557
19	17.2	78.2	611	6	US-09-925-065A-824557
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21	16.8	76.4	403278	8	US-10-995-551-13421	Sequence 13421, A
22	16.4	74.5	200	12	US-11-098-686-915	Sequence 915, App
23	16.4	74.5	552	6	US-09-925-065A-632293	Sequence 632293, A
24	16.4	74.5	723	8	US-10-750-185-36146	Sequence 36146, A
25	16.4	74.5	723	8	US-10-750-623-36146	Sequence 36146, A
26	16.4	74.5	1563	6	US-09-925-065A-697818	Sequence 697818, A
27	16.4	74.5	2109	12	US-11-098-686-8849	Sequence 8849, App
28	16.4	74.5	6317	8	US-10-240-708-12	Sequence 12, App1
29	16.4	74.5	194553	12	US-11-098-686-8738	Sequence 8738, App
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33	16.2	73.6	474	6	US-09-925-065A-219068	Sequence 219068, A
34	16.2	73.6	476	6	US-09-925-065A-122841	Sequence 122841, A
35	16.2	73.6	476	6	US-09-925-065A-121907	Sequence 121907, A
36	16.2	73.6	506	6	US-09-925-065A-157371	Sequence 157371, A
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38	16.2	73.6	506	6	US-09-925-065A-157374	Sequence 157374, A
39	16.2	73.6	506	6	US-09-925-065A-157375	Sequence 157375, A
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45	16.2	73.6	584	6	US-09-925-065A-593830	Sequence 593830, A
46	16.2	73.6	589	6	US-09-925-065A-630503	Sequence 630503, A
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48	16.2	73.6	589	6	US-09-925-065A-630505	Sequence 630505, A
49	16.2	73.6	627	6	US-09-925-065A-800027	Sequence 800027, A
50	16.2	73.6	627	6	US-09-925-065A-800029	Sequence 800029, A
51	16.2	73.6	628	6	US-09-925-065A-750750	Sequence 750750, A
52	16.2	73.6	628	6	US-09-925-065A-750751	Sequence 750751, A
53	16.2	73.6	648	6	US-09-925-065A-603078	Sequence 603078, A
54	16.2	73.6	652	6	US-09-925-065A-440233	Sequence 440233, A
55	16.2	73.6	656	6	US-09-925-065A-683639	Sequence 683639, A
56	16.2	73.6	658	6	US-09-925-065A-867185	Sequence 867185, A
57	16.2	73.6	674	6	US-09-925-065A-863454	Sequence 863454, A
58	16.2	73.6	689	6	US-09-925-065A-207639	Sequence 207639, A
59	16.2	73.6	1081	6	US-09-925-065A-83812	Sequence 83812, A
60	16.2	73.6	1081	6	US-09-925-065A-83813	Sequence 83813, A
61	16.2	73.6	1208	8	US-10-750-185-34774	Sequence 34774, A
62	16.2	73.6	1208	8	US-10-750-623-34774	Sequence 34774, A
63	16.2	73.6	1369	8	US-10-750-185-31614	Sequence 31614, A
64	16.2	73.6	1369	8	US-10-750-623-31614	Sequence 31614, A
65	16.2	73.6	2802	7	US-10-932-182A-2662	Sequence 2662, App
66	16.2	73.6	2802	7	US-10-932-182A-2662	Sequence 2662, App
67	16.2	73.6	3705	8	US-10-517-939-205	Sequence 305, App
68	16.2	73.6	168656	12	US-11-112-908-59	Sequence 59, App1
69	16.2	73.6	170285	12	US-11-112-908-58	Sequence 58, App1
70	16.2	73.6	200	12	US-11-098-686-858	Sequence 858, App1
71	16.2	73.6	2178	12	US-11-098-686-8844	Sequence 8844, App
72	15.8	71.8	50	12	US-11-175-859-100829	Sequence 100829, App
73	15.8	71.8	97	7	US-10-991-285-391	Sequence 391, App
74	15.8	71.8	560	6	US-09-925-065A-492830	Sequence 492830, App
75	15.8	71.8	570	6	US-09-925-065A-381102	Sequence 381102, App
76	15.8	71.8	572	6	US-09-925-065A-151235	Sequence 151235, App
77	15.8	71.8	620	6	US-09-925-065A-828483	Sequence 828483, App
78	15.8	71.8	646	6	US-09-925-065A-486922	Sequence 486922, App
79	15.8	71.8	620	6	US-09-925-065A-525719	Sequence 525719, App
80	15.8	71.8	701	5	US-09-925-065A-552331	Sequence 552331, App
81	15.8	71.8	973	5	US-09-978-360A-48	Sequence 48, App1
82	15.8	71.8	1077	8	US-10-750-185-49007	Sequence 49007, App
83	15.8	71.8	1407	8	US-10-750-623-49007	Sequence 49007, App
84	15.8	71.8	1077	8	US-11-136-527-4366	Sequence 4366, App
85	15.8	71.8	2746	12	US-11-136-527-270	Sequence 270, App
86	15.8	71.8	4745	8	US-10-909-125-937	Sequence 937, App
87	15.8	71.8	5244	8	US-10-750-185-40124	Sequence 40124, App
88	15.8	71.8	5244	8	US-10-750-623-40124	Sequence 40124, App
89	15.6	70.9	25	12	US-11-121-849-646605	Sequence 646605, App
90	15.6	70.9	201	8	US-10-995-551-17791	Sequence 17791, App
91	15.6	70.9	201	8	US-10-995-551-17803	Sequence 17803, App
92	15.6	70.9	201	8	US-10-995-551-17866	Sequence 17866, App
93	15.6	70.9	201	8	US-10-995-551-18026	Sequence 18026, App

C 94	15.6	70.9	201	8	US-10-995-561-18132	Sequence 18132, A	C 167	15.6	70.9	645	6	US-09-925-065A-942373	Sequence 942373,
C 95	15.6	70.9	201	8	US-10-995-561-18209	Sequence 18209, A	C 168	15.6	70.9	648	6	US-09-925-065A-172086	Sequence 172086,
C 96	15.6	70.9	201	8	US-10-995-561-21661	Sequence 21661, A	C 169	15.6	70.9	649	6	US-09-925-065A-904442	Sequence 904442,
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C 98	15.6	70.9	201	8	US-10-995-561-21765	Sequence 21765, A	C 171	15.6	70.9	650	6	US-09-925-065A-706140	Sequence 706140,
C 99	15.6	70.9	201	8	US-10-995-561-21918	Sequence 21918, A	C 172	15.6	70.9	684	6	US-09-925-065A-706140	Sequence 706140,
C 100	15.6	70.9	201	8	US-10-995-561-22032	Sequence 22032, A	C 173	15.6	70.9	787	12	US-11-000-463-622	Sequence 939171,
C 101	15.6	70.9	201	8	US-10-995-561-22103	Sequence 22103, A	C 174	15.6	70.9	836	12	US-11-000-463-622	Sequence 939171,
C 102	15.6	70.9	359	6	US-09-925-065A-160316	Sequence 160316, A	C 175	15.6	70.9	836	12	US-11-000-463-622	Sequence 939171,
C 103	15.6	70.9	448	6	US-09-925-065A-899729	Sequence 899729, A	C 176	15.6	70.9	991	6	US-09-925-065A-667194	Sequence 667194,
C 104	15.6	70.9	465	6	US-09-925-065A-543729	Sequence 543729, A	C 177	15.6	70.9	991	6	US-09-925-065A-667195	Sequence 667195,
C 105	15.6	70.9	479	6	US-09-925-065A-558260	Sequence 558260, A	C 178	15.6	70.9	992	6	US-09-925-065A-68021	Sequence 68021, A
C 106	15.6	70.9	488	6	US-09-925-065A-858362	Sequence 858362, A	C 179	15.6	70.9	1052	6	US-09-925-065A-68022	Sequence 68022, A
C 107	15.6	70.9	488	6	US-09-925-065A-858362	Sequence 858362, A	C 180	15.6	70.9	1052	6	US-09-925-065A-708533	Sequence 708533, A
C 108	15.6	70.9	490	6	US-09-925-065A-326715	Sequence 326715, A	C 181	15.6	70.9	1243	6	US-09-925-065A-708534	Sequence 708534, A
C 109	15.6	70.9	490	6	US-09-925-065A-326716	Sequence 326716, A	C 182	15.6	70.9	1243	6	US-09-925-065A-718348	Sequence 718348, A
C 110	15.6	70.9	490	6	US-09-925-065A-326717	Sequence 326717, A	C 183	15.6	70.9	1243	6	US-09-925-065A-718349	Sequence 718349, A
C 111	15.6	70.9	490	6	US-09-925-065A-782689	Sequence 782689, A	C 184	15.6	70.9	1243	6	US-09-925-065A-718350	Sequence 718350, A
C 112	15.6	70.9	490	6	US-09-925-065A-843320	Sequence 843320, A	C 185	15.6	70.9	1243	6	US-10-750-185-36693	Sequence 36693, A
C 113	15.6	70.9	497	6	US-09-925-065A-372317	Sequence 372317, A	C 186	15.6	70.9	1312	6	US-09-925-065A-88210	Sequence 88210, A
C 114	15.6	70.9	501	6	US-09-925-065A-806441	Sequence 806441, A	C 187	15.6	70.9	1314	8	US-10-750-185-55601	Sequence 55601, A
C 115	15.6	70.9	501	6	US-09-925-065A-806441	Sequence 806441, A	C 188	15.6	70.9	1314	8	US-10-750-185-55601	Sequence 55601, A
C 116	15.6	70.9	513	6	US-09-925-065A-754661	Sequence 754661, A	C 189	15.6	70.9	1489	6	US-09-925-065A-719884	Sequence 719884, A
C 117	15.6	70.9	517	6	US-09-925-065A-19566	Sequence 19566, A	C 190	15.6	70.9	1925	6	US-09-925-065A-689141	Sequence 689141, A
C 118	15.6	70.9	520	6	US-09-925-065A-20190	Sequence 20190, A	C 191	15.6	70.9	1925	6	US-09-925-065A-689141	Sequence 689141, A
C 119	15.6	70.9	525	6	US-09-925-065A-316821	Sequence 316821, A	C 192	15.6	70.9	1964	6	US-09-925-065A-689142	Sequence 689142, A
C 120	15.6	70.9	525	6	US-09-925-065A-316822	Sequence 316822, A	C 193	15.6	70.9	1964	6	US-09-925-065A-689142	Sequence 689142, A
C 121	15.6	70.9	534	6	US-09-925-065A-81016	Sequence 81016, A	C 194	15.6	70.9	2005	6	US-09-925-065A-551344	Sequence 551344, A
C 122	15.6	70.9	541	6	US-09-925-065A-643376	Sequence 643376, A	C 195	15.6	70.9	2586	8	US-10-750-185-64445	Sequence 64445, A
C 123	15.6	70.9	541	6	US-09-925-065A-643377	Sequence 643377, A	C 196	15.6	70.9	2586	8	US-10-750-185-64445	Sequence 64445, A
C 124	15.6	70.9	546	6	US-09-925-065A-557483	Sequence 557483, A	C 197	15.6	70.9	3417	9	US-11-072-512-808	Sequence 808, App
C 125	15.6	70.9	546	6	US-09-925-065A-557483	Sequence 557483, A	C 198	15.6	70.9	27852	8	US-10-995-561-13224	Sequence 13212, A
C 126	15.6	70.9	546	6	US-09-925-065A-935285	Sequence 935285, A	C 199	15.6	70.9	28786	8	US-10-995-561-13224	Sequence 13212, A
C 127	15.6	70.9	546	6	US-09-925-065A-935285	Sequence 935285, A	C 200	15.6	70.9	90120	7	US-10-330-773-390	Sequence 390, App
C 128	15.6	70.9	553	6	US-09-925-065A-203903	Sequence 203903, A	C 201	15.6	70.9	130733	12	US-11-121-086-19	Sequence 19, App
C 129	15.6	70.9	553	6	US-09-925-065A-203903	Sequence 203903, A	C 202	15.6	70.9	130733	12	US-11-121-086-19	Sequence 19, App
C 130	15.6	70.9	561	6	US-09-925-065A-611689	Sequence 611689, A	C 203	15.6	70.9	130733	12	US-11-121-086-19	Sequence 19, App
C 131	15.6	70.9	561	6	US-09-925-065A-193777	Sequence 193777, A	C 204	15.6	70.9	150038	12	US-11-121-086-23	Sequence 23, App
C 132	15.6	70.9	561	6	US-09-925-065A-775564	Sequence 775564, A	C 205	15.6	70.9	168883	12	US-11-121-086-21	Sequence 21, App
C 133	15.6	70.9	563	6	US-09-925-065A-100371	Sequence 100371, A	C 206	15.6	70.9	175100	12	US-10-330-773-698	Sequence 698, App
C 134	15.6	70.9	567	6	US-09-925-065A-328135	Sequence 328135, A	C 207	15.6	70.9	189539	12	US-11-121-086-16	Sequence 16, App
C 135	15.6	70.9	567	6	US-09-925-065A-302112	Sequence 302112, A	C 208	15.6	70.9	199321	12	US-11-121-086-16	Sequence 16, App
C 136	15.6	70.9	567	6	US-09-925-065A-302113	Sequence 302113, A	C 209	15.6	70.9	1691140	12	US-11-091-018-1	Sequence 10, App
C 137	15.6	70.9	578	6	US-09-925-065A-207490	Sequence 207490, A	C 210	15.4	70.0	50	12	US-11-175-859-74603	Sequence 74603, A
C 138	15.6	70.9	579	6	US-09-925-065A-910084	Sequence 910084, A	C 211	15.4	70.0	406	6	US-09-925-065A-157607	Sequence 157607, A
C 139	15.6	70.9	582	6	US-09-925-065A-452339	Sequence 452339, A	C 212	15.4	70.0	424	6	US-09-925-065A-144828	Sequence 144828, A
C 140	15.6	70.9	587	6	US-09-925-065A-956966	Sequence 956966, A	C 213	15.4	70.0	497	6	US-09-925-065A-185247	Sequence 185247, A
C 141	15.6	70.9	591	6	US-09-925-065A-570720	Sequence 570720, A	C 214	15.4	70.0	526	6	US-09-925-065A-185247	Sequence 185247, A
C 142	15.6	70.9	593	6	US-09-925-065A-141050	Sequence 141050, A	C 215	15.4	70.0	535	6	US-09-925-065A-183701	Sequence 183701, A
C 143	15.6	70.9	593	6	US-09-925-065A-141050	Sequence 141050, A	C 216	15.4	70.0	542	6	US-09-925-065A-21882	Sequence 21882, A
C 144	15.6	70.9	600	6	US-09-925-065A-581124	Sequence 581124, A	C 217	15.4	70.0	542	6	US-09-925-065A-21882	Sequence 21882, A
C 145	15.6	70.9	600	6	US-09-925-065A-36162	Sequence 36162, A	C 218	15.4	70.0	545	6	US-09-925-065A-21883	Sequence 21883, A
C 146	15.6	70.9	601	6	US-09-925-065A-921795	Sequence 921795, A	C 219	15.4	70.0	545	6	US-09-925-065A-537373	Sequence 537373, A
C 147	15.6	70.9	602	6	US-09-925-065A-124213	Sequence 124213, A	C 220	15.4	70.0	546	6	US-09-925-065A-255315	Sequence 255315, A
C 148	15.6	70.9	603	6	US-09-925-065A-868922	Sequence 868922, A	C 221	15.4	70.0	554	6	US-09-925-065A-394339	Sequence 394339, A
C 149	15.6	70.9	606	6	US-09-925-065A-872534	Sequence 872534, A	C 222	15.4	70.0	567	6	US-09-925-065A-335068	Sequence 335068, A
C 150	15.6	70.9	606	6	US-09-925-065A-877713	Sequence 877713, A	C 223	15.4	70.0	568	6	US-09-925-065A-208005	Sequence 208005, A
C 151	15.6	70.9	606	6	US-09-925-065A-919401	Sequence 919401, A	C 224	15.4	70.0	568	6	US-09-925-065A-208005	Sequence 208005, A
C 152	15.6	70.9	610	6	US-09-925-065A-264060	Sequence 264060, A	C 225	15.4	70.0	574	6	US-09-925-065A-146272	Sequence 146272, A
C 153	15.6	70.9	610	6	US-09-925-065A-108887	Sequence 108887, A	C 226	15.4	70.0	578	6	US-09-925-065A-927075	Sequence 927075, A
C 154	15.6	70.9	615	6	US-09-925-065A-937283	Sequence 937283, A	C 227	15.4	70.0	578	6	US-09-925-065A-927075	Sequence 927075, A
C 155	15.6	70.9	616	6	US-09-925-065A-811810	Sequence 811810, A	C 228	15.4	70.0	598	6	US-09-925-065A-877084	Sequence 877084, A
C 156	15.6	70.9	616	6	US-09-925-065A-811810	Sequence 811810, A	C 229	15.4	70.0	645	6	US-09-925-065A-837085	Sequence 837085, A
C 157	15.6	70.9	617	6	US-09-925-065A-745724	Sequence 745724, A	C 230	15.4	70.0	645	6	US-09-925-065A-837085	Sequence 837085, A
C 158	15.6	70.9	618	6	US-09-925-065A-745724	Sequence 745724, A	C 231	15.4	70.0	1671	6	US-09-925-065A-727339	Sequence 727339, A
C 159	15.6	70.9	619	6	US-09-925-065A-894419	Sequence 894419, A	C 232	15.4	70.0	1671	6	US-09-925-065A-727339	Sequence 727339, A
C 160	15.6	70.9	623	6	US-09-925-065A-789149	Sequence 789149, A	C 233	15.4	70.0	1671	6	US-09-925-065A-727339	Sequence 727339, A
C 161	15.6	70.9	624	6	US-09-925-065A-790928	Sequence 790928, A	C 234	15.4	70.0	2661	8	US-10-821-234-538	Sequence 727341, A
C 162	15.6	70.9	624	6	US-09-925-065A-883975	Sequence 883975, A	C 235	15.4	70.0	3285	8	US-10-517-939-143	Sequence 538, App
C 163	15.6	70.9	630	6	US-09-925-065A-883975	Sequence 883975, A	C 236	15.4	70.0	3285	8	US-10-517-939-143	Sequence 538, App
C 164	15.6	70.9	632	6	US-09-925-065A-892768	Sequence 892768, A	C 237	15.4	70.0	161874	12	US-11-121-086-75	Sequence 75, App
C 165	15.6	70.9	636	6	US-09-925-065A-609433	Sequence 609433, A	C 238	15.4	70.0	189539	12	US-11-121-086-16	Sequence 16, App
C 166	15.6	70.9	636	6	US-09-925-065A-918207	Sequence 918207, A	C 239	15.2	69.1	25	7	US-10-934-048A-64253	Sequence 64253, A
						Sequence 918208,							Sequence 918208,

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:19:45 ; Search time 759.13 Seconds  
(without alignments)  
1497.594 Million cell updates/sec

Title: US-10-625-124-9

Perfect score: 20

Sequence: 1 ctcatacagcagccacacat 20

Scoring table:

IDENTITY\_NUC

Gapop 10.0 , Gapept 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

GenEmbl:\*  
1: gb\_ba:\*  
2: gb\_in:\*  
3: gb\_env:\*  
4: gb\_om:\*  
5: gb\_ov:\*  
6: gb\_pat:\*  
7: gb\_ph:\*  
8: gb\_pr:\*  
9: gb\_ro:\*  
10: gb\_sts:\*  
11: gb\_sy:\*  
12: gb\_un:\*  
13: gb\_vl:\*  
14: gb\_htg:\*  
15: gb\_pl:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	20	100.0	273 6	C0732303 Sequence
2	20	100.0	364 6	BD024016 Sequence
3	20	100.0	364 6	AX884406 Sequence
4	20	100.0	1253 6	AX780260 Sequence
5	20	100.0	2011 8	BC012099 Sequence
6	20	100.0	2016 8	HSU03274 Sequence
7	20	100.0	12990 8	HSBTDSS2 Sequence
8	20	100.0	147123 14	AC027030 Sequence
9	20	100.0	192031 8	AC027129 Sequence
10	20	100.0	199288 8	AC090950 Sequence
11	20	100.0	290 6	C0684572 Sequence
12	20	100.0	336 6	C0661129 Sequence
13	20	100.0	342 6	C0668664 Sequence
14	20	100.0	351 6	C0673776 Sequence
15	20	100.0	402 6	AX193290 Sequence
16	20	100.0	430 6	C0685343 Sequence
17	20	100.0	470 6	BD024493 Sequence
18	20	100.0	470 6	AX884883 Sequence

19	18.4	92.0	495 6	A83864 Sequence 9
20	18.4	92.0	495 8	BT007017 Homo sapi
21	18.4	92.0	495 11	AY889277 Synthetic
22	18.4	92.0	495 11	AY889278 Synthetic
23	18.4	92.0	495 11	AY891769 Synthetic
24	18.4	92.0	495 11	AY891770 Synthetic
25	18.4	92.0	495 11	BT007726 Synthetic
26	18.4	92.0	527 6	C0714206 Sequence
27	18.4	92.0	528 8	HMSRFP20 Homo sapien
28	18.4	92.0	914 6	BD137246 Human nuc
29	18.4	92.0	914 6	AX017836 Sequence
30	18.4	92.0	1403 6	BD220737 Human gen
31	18.4	92.0	1403 6	C0899307 Sequence
32	18.4	92.0	1403 8	BC000914 Homo sapi
33	18.4	92.0	1568 8	BC069018 Homo sapi
34	18.4	92.0	2060 8	AF107405 Homo sapi
35	18.4	92.0	3026 6	ARS31733 Sequence
36	18.4	92.0	5130 9	BC072629 Mus muscu
37	18.4	92.0	63274 14	AC020833 Mus muscu
38	18.4	92.0	63400 14	AC105178 Mus muscu
39	18.4	92.0	145616 8	HS108K11 Human DNA s
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41	18.4	92.0	167812 14	AC125875 Rattus no
42	18.4	92.0	175366 9	AC101718 Mus muscu
43	18.4	92.0	184349 8	AC113189 Homo sapi
44	18.4	92.0	216170 9	AC130214 Mus muscu
45	18.4	92.0	220851 14	AC097956 Rattus no
46	18.4	92.0	222685 14	AC130029 Rattus no
47	18.4	92.0	222871 14	AC108094 Homo sapi
48	18.4	92.0	326209 14	AC134065 Rattus no
49	18.4	90.0	203050 1	AL646071 Rattus no
50	17.4	87.0	355 6	C0687435 Sequence
51	17.4	87.0	1299 9	BC083316 Mus muscu
52	17.4	87.0	1305 9	BC068111 Mus muscu
53	17.4	87.0	1396 9	MMX16MR Mus muscu
54	17.4	87.0	2089 9	BC071196 Mus muscu
55	17.4	87.0	13121 9	MMSRP20 Mus muscu
56	17.4	87.0	51933 14	AC118239 Mus muscu
57	17.4	87.0	58433 14	AC100304 Mus muscu
58	17.4	87.0	88623 14	AC137093 Mus muscu
59	17.4	87.0	160284 9	AL591125 Mouse DNA
60	17.4	87.0	161831 9	AC131038 Mus muscu
61	17.4	87.0	168486 9	AC116849 Mus muscu
62	17.4	87.0	175391 14	AC025622 Mus muscu
63	17.4	87.0	192527 9	AC141429 Mus muscu
64	17.4	87.0	197830 14	CT009696 Mus muscu
65	17.4	87.0	202299 9	AL929393 Mouse DNA
66	17.4	87.0	216414 14	AC149275 Mus muscu
67	17.4	87.0	227109 14	AC158549 Mus muscu
68	17.4	87.0	269286 14	CT009662 Mus muscu
69	17.4	87.0	275373 14	AC113522 Mus muscu
70	17.4	85.0	79882 14	BX908758_5 Continuation (6 of
71	17.4	85.0	110000 14	AC108426_2 Continuation (3 of
72	17.4	85.0	110000 14	BX908758_4 Continuation (5 of
73	17.4	85.0	139125 9	AC104100 Mus muscu
74	17.4	85.0	176698 9	AC151001 Mus muscu
75	17.4	85.0	211586 5	BX511093 Zebrafish
76	17.4	85.0	216850 5	BX323008 Zebrafish
77	17.4	85.0	230675 9	AC144768 Mus muscu
78	16.8	84.0	534 6	C0714117 Sequence
79	16.8	84.0	39471 2	AC0064250 Drosophila
80	16.8	84.0	44605 14	AC012798 Homo sapi
81	16.8	84.0	45725 8	AL442124 Human DNA
82	16.8	84.0	57462 8	AP006296 Homo sapi
83	16.8	84.0	67728 14	AC163398 Bos tauru
84	16.8	84.0	73994 14	AC079000 Homo sapi
85	16.8	84.0	91401 14	CT009676 Danio rer
86	16.8	84.0	106278 15	RMS20N23 Rattus no
87	16.8	84.0	110000 15	AP008217_116 Continuation (117
88	16.8	84.0	119042 8	AC144658 Homo sapi
89	16.8	84.0	121602 14	AP003555 Oryza sat
90	16.8	84.0	133944 15	AC137923 Zebrafish
91	16.8	84.0	135280 5	BX296520 Zebrafish

92	C	92	16.8	84.0	138676	14	AL590154		165	16.4	82.0	110000	2	CP000079_04	Continuation (5 of
C 93		16.8	84.0	139747	14	AC148916		C 166	16.4	82.0	110000	2	CP000081_12	Continuation (13 of	
C 94		16.8	84.0	149995	8	AC016722		C 167	16.4	82.0	110000	2	CP000081_13	Continuation (14 of	
C 95		16.8	84.0	155466	8	AL133284		C 168	16.4	82.0	110000	14	CT005257_3	Continuation (5 of	
C 96		16.8	84.0	161195	14	AC159932		C 169	16.4	82.0	110000	14	IMFLCHR18_04	Continuation (15 of	
C 97		16.8	84.0	163337	5	CR846083		C 170	16.4	82.0	110000	14	IMFLCHR18_05	Continuation (16 of	
C 98		16.8	84.0	165519	2	AC008347		C 171	16.4	82.0	144529	9	AC125253	Continuation (6 of	
C 99		16.8	84.0	166168	2	AC091635		C 172	16.4	82.0	148973	14	AC149885	Continuation (7 of	
C 100		16.8	84.0	167388	5	BX324116		C 173	16.4	82.0	152476	14	AP001869	Continuation (8 of	
C 101		16.8	84.0	168546	5	BX324205		C 174	16.4	82.0	153108	8	AL390195	Continuation (9 of	
C 102		16.8	84.0	169694	5	BX294444		C 175	16.4	82.0	155451	14	AC067774	Continuation (10 of	
C 103		16.8	84.0	170271	14	AC126191		C 176	16.4	82.0	158933	14	AC158861	Continuation (11 of	
C 104		16.8	84.0	170956	14	AC024973		C 177	16.4	82.0	163532	14	AC157491	Continuation (12 of	
C 105		16.8	84.0	173929	14	AC131928		C 178	16.4	82.0	169243	8	AC104816	Continuation (13 of	
C 106		16.8	84.0	176392	14	AC135954		C 179	16.4	82.0	193129	14	AC153227	Continuation (14 of	
C 107		16.8	84.0	177191	14	CR376781		C 180	16.4	82.0	193326	14	AC155578	Continuation (15 of	
C 108		16.8	84.0	181309	14	AC150795		C 181	16.4	82.0	194471	14	AC119638	Continuation (16 of	
C 109		16.8	84.0	185277	9	AC098567		C 182	16.4	82.0	211429	14	AC160543	Continuation (17 of	
C 110		16.8	84.0	191549	14	CR847565		C 183	16.4	82.0	216393	14	AC145460	Continuation (18 of	
C 111		16.8	84.0	191906	9	AC132304		C 184	16.4	82.0	220989	14	AC107561	Continuation (19 of	
C 112		16.8	84.0	192433	14	AC161272		C 185	16.4	82.0	231722	14	AC097596	Continuation (20 of	
C 113		16.8	84.0	194401	14	AC139951		C 186	16.4	82.0	233603	14	AC129760	Continuation (21 of	
C 114		16.8	84.0	196132	14	CR354563		C 187	16.4	82.0	234014	14	AC153182	Continuation (22 of	
C 115		16.8	84.0	198565	14	AC016750		C 188	16.4	82.0	234399	14	AC117147	Continuation (23 of	
C 116		16.8	84.0	199207	5	AL928825		C 189	16.4	82.0	239927	14	AC161910	Continuation (24 of	
C 117		16.8	84.0	203154	14	AC117142		C 190	16.4	82.0	240652	14	AC115320	Continuation (25 of	
C 118		16.8	84.0	203981	9	AC153517		C 191	16.4	82.0	249068	14	AC095295	Continuation (26 of	
C 119		16.8	84.0	206377	9	AC126689		C 192	16.4	82.0	251370	14	AC125776	Continuation (27 of	
C 120		16.8	84.0	209889	14	AC126187		C 193	16.4	82.0	273527	14	AC156740	Continuation (28 of	
C 121		16.8	84.0	214204	14	AC133776		C 194	16.4	82.0	278083	13	AY302555	Continuation (29 of	
C 122		16.8	84.0	215835	14	AC098127		C 195	16.4	80.0	7420	16	AC074363	Continuation (30 of	
C 123		16.8	84.0	216381	14	AC159113		C 196	16.4	80.0	151325	8	AC074363	Continuation (31 of	
C 124		16.8	84.0	217877	14	AC159775		C 197	16.4	80.0	235661	14	AC096183	Continuation (32 of	
C 125		16.8	84.0	223734	14	AC117097		C 198	16.4	80.0	235828	14	AC125730	Continuation (33 of	
C 126		16.8	84.0	223751	14	AC158527		C 199	16.4	80.0	237428	14	AC127053	Continuation (34 of	
C 127		16.8	84.0	227254	14	AC094724		C 200	15.8	79.0	171	6	CO690495	Continuation (35 of	
C 128		16.8	84.0	228454	14	AC158169		C 201	15.8	79.0	214	10	DM146D3T	Continuation (36 of	
C 129		16.8	84.0	229523	14	AC103078		C 202	15.8	79.0	354	6	BD130320	Continuation (37 of	
C 130		16.8	84.0	246009	14	AC142069		C 203	15.8	79.0	354	6	BD130410	Continuation (38 of	
C 131		16.8	84.0	247165	14	AC120758		C 204	15.8	79.0	354	6	AR235333	Continuation (39 of	
C 132		16.8	84.0	250128	14	AC162246		C 205	15.8	79.0	354	6	AR285220	Continuation (40 of	
C 133		16.8	84.0	251750	14	AC097029		C 206	15.8	79.0	511	4	CPA388517	Continuation (41 of	
C 134		16.8	84.0	255485	14	AC095480		C 207	15.8	79.0	527	10	BV306019	Continuation (42 of	
C 135		16.8	84.0	256764	2	AE003792		C 208	15.8	79.0	583	6	BD119613	Continuation (43 of	
C 136		16.8	84.0	258091	5	BX571981		C 209	15.8	79.0	583	6	AR424060	Continuation (44 of	
C 137		16.8	84.0	260033	14	AC099267		C 210	15.8	79.0	583	6	AR424060	Continuation (45 of	
C 138		16.8	84.0	263054	14	AC162379		C 211	15.8	79.0	687	5	AF210333	Continuation (46 of	
C 139		16.8	84.0	265517	14	AC107094		C 212	15.8	79.0	704	10	BV669863	Continuation (47 of	
C 140		16.8	84.0	323584	14	AC156952		C 213	15.8	79.0	803	6	CO722119	Continuation (48 of	
C 141		16.8	84.0	340493	9	BX883044		C 214	15.8	79.0	827	10	BV043518	Continuation (49 of	
C 142		16.4	82.0	326	6	CQ666783		C 215	15.8	79.0	868	5	SUT88293	Continuation (50 of	
C 143		16.4	82.0	410	6	CQ480918		C 216	15.8	79.0	921	6	AX506721	Continuation (51 of	
C 144		16.4	82.0	412	6	CQ471750		C 217	15.8	79.0	954	6	AR385702	Continuation (52 of	
C 145		16.4	82.0	440	6	CQ691417		C 218	15.8	79.0	1014	8	CR457351	Continuation (53 of	
C 146		16.4	82.0	455	6	CQ502074		C 219	15.8	79.0	1126	15	AY088094	Continuation (54 of	
C 147		16.4	82.0	455	6	CQ510950		C 220	15.8	79.0	1140	15	AP141375	Continuation (55 of	
C 148		16.4	82.0	468	6	CQ696071		C 221	15.8	79.0	1153	5	AF288261	Continuation (56 of	
C 149		16.4	82.0	713	6	BD027480		C 222	15.8	79.0	1156	5	AF288234	Continuation (57 of	
C 150		16.4	82.0	713	6	AX887870		C 223	15.8	79.0	1593	2	AY373526	Continuation (58 of	
C 151		16.4	82.0	1134	6	HSATPSYN		C 224	15.8	79.0	1646	8	AK025863	Continuation (59 of	
C 152		16.4	82.0	1136	6	CO728829		C 225	15.8	79.0	1675	8	BC013988	Continuation (60 of	
C 153		16.4	82.0	1168	8	AK223018		C 226	15.8	79.0	1692	8	BC001860	Continuation (61 of	
C 154		16.4	82.0	1183	8	BC005960		C 227	15.8	79.0	1748	8	AB169640	Continuation (62 of	
C 155		16.4	82.0	1201	8	BC005366		C 228	15.8	79.0	1925	8	BC052291	Continuation (63 of	
C 156		16.4	82.0	1230	8	BC016350		C 229	15.8	79.0	1951	8	BC009455	Continuation (64 of	
C 157		16.4	82.0	1231	6	CO489512		C 230	15.8	79.0	1999	9	BC090017	Continuation (65 of	
C 158		16.4	82.0	1231	6	CO450503		C 231	15.8	79.0	2688	6	CO842119	Continuation (66 of	
C 159		16.4	82.0	1231	6	CO450503		C 232	15.8	79.0	2688	6	AK123028	Continuation (67 of	
C 160		16.4	82.0	1271	6	CO496343		C 233	15.8	79.0	2779	15	AK141376	Continuation (68 of	
C 161		16.4	82.0	1376	10	BV178658		C 234	15.8	79.0	3014	5	AC078005	Continuation (69 of	
C 162		16.4	82.0	1376	10	BV178779		C 235	15.8	79.0	3046	6	AX747624	Continuation (70 of	
C 163		16.4	82.0	1624	6	CS115213		C 236	15.8	79.0	3046	6	AK092602	Continuation (71 of	
C 164		16.4	82.0	53286	15	AC149490		C 237	15.8	79.0	3240	15	AY099745	Continuation (72 of	



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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 19:50:39 ; Search time 371.957 Seconds  
(without alignments)  
358.359 Million cell updates/sec

Title: US-10-625-124-9

Perfect score: 20

Sequence: 1 ctctacacgcgcgcacacat 20

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

N\_Geneseq\_21:\*

1: geneseqn1980s:\*  
2: geneseqn1990s:\*  
3: geneseqn2000s:\*  
4: geneseqn2001as:\*  
5: geneseqn2001bs:\*  
6: geneseqn2002as:\*  
7: geneseqn2002bs:\*  
8: geneseqn2003as:\*  
9: geneseqn2003bs:\*  
10: geneseqn2003cs:\*  
11: geneseqn2003ds:\*  
12: geneseqn2004as:\*  
13: geneseqn2004bs:\*  
14: geneseqn2005s:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	Score	Query	Match	Length	ID	Description
No.						
1	20	100.0	20	13	ADU17697	AdU17697 Reverse P
2	20	100.0	364	3	AA000271	AA000271 Human sec
3	20	100.0	1253	10	ADF81861	Adf81861 Leukaemia
4	20	100.0	2016	13	ADR24560	Adr24560 Breast ca
5	20	100.0	2016	13	ADU17689	AdU17689 Human bio
6	20	100.0	12990	13	ADU17691	AdU17691 Human bio
7	18.4	92.0	261	9	ACH33458	Ach33458 Human end
8	18.4	92.0	402	4	AA129303	AA129303 Colon tum
9	18.4	92.0	402	4	AB233489	Ab233489 Human col
10	18.4	92.0	454	5	AA882930	AA882930 DNA encod
11	18.4	92.0	459	9	ACH47426	Ach47426 Human inf
12	18.4	92.0	464	9	ACH24628	Ach24628 Human adu
13	18.4	92.0	470	3	AA000748	AA000748 Human sec
14	18.4	92.0	492	3	ACH22169	Ach22169 Human adu
15	18.4	92.0	495	2	AAV73475	AAV73475 Human G3B
16	18.4	92.0	500	5	AA876444	AA876444 DNA encod
17	18.4	92.0	528	13	ADP54393	Adp54393 Human PRO
18	18.4	92.0	560	6	ABV86837	Abv86837 Human col
19	18.4	92.0	598	10	ADD49277	Add49277 Human lun

20	18.4	92.0	913	2	AA233485	Aa233485 Human pro
21	18.4	92.0	936	3	AA01859	Aa01859 Human col
22	18.4	92.0	1403	13	ADU17976	AdU17976 Human can
23	18.4	92.0	1750	3	AAE18297	Aae18297 Lung can
24	18.4	92.0	2541	13	ACN38415	Acn38415 Tumour-as
25	18.4	92.0	3026	12	ADE77149	Ade77149 Human cdn
26	18.4	92.0	9151	5	ABR14677	Ab14677 Human ner
27	17.4	87.0	647	6	ABV88506	Abv88506 Human col
28	16.8	84.0	2097	14	AD262857	Ad262857 Murine Sf
29	16.8	84.0	437	9	ACH46435	Ach46435 Human inf
30	16.8	84.0	9153	5	ABA14676	Ab14676 Human ner
31	16.4	82.0	410	5	ABV12794	Abv12794 Human pro
32	16.4	82.0	412	5	ABV03625	Abv03625 Human pro
33	16.4	82.0	440	6	ABV87906	Abv87906 Human col
34	16.4	82.0	455	5	ABV42798	Abv42798 Human pro
35	16.4	82.0	455	5	ABV33923	Abv33923 Human pro
36	16.4	82.0	713	3	AA003735	AA003735 Human sec
37	16.4	82.0	894	8	ACC62291	Acc62291 Human NOV
38	16.4	82.0	900	8	ACC62290	Acc62290 Human NOV
39	16.4	82.0	1183	13	AD888614	Ad888614 Human hou
40	16.4	82.0	1183	13	ADU60299	Adu60299 Housekeep
41	16.4	82.0	1230	10	ADG32810	Adg32810 Human DNA
42	16.4	82.0	1230	13	ACN37430	Acn37430 Tumour-as
43	16.4	82.0	1231	14	AD248817	Ad248817 Insulin s
44	16.4	82.0	1231	5	ABV22377	Abv22377 Human pro
45	16.4	82.0	1231	5	ABV28197	Abv28197 Human pro
46	16.4	82.0	1231	5	ABV21388	Abv21388 Human pro
47	16.4	82.0	1231	5	ABV27206	Abv27206 Human pro
48	16.4	82.0	1624	14	AEA81501	Aea81501 Human pro
49	16.4	82.0	1777	4	ABV98599	Abv98599 Human mit
50	16.4	82.0	3640	10	ADB47425	Adb47425 Human cdn
51	15.8	79.0	196	9	AA058293	Aa058293 Human tum
52	15.8	79.0	354	2	AA208628	Aa208628 EST with
53	15.8	79.0	354	3	AA235800	Aa235800 Expressed
54	15.8	79.0	392	8	ABX41931	Abx41931 Bovine ES
55	15.8	79.0	460	13	ACR82654	Ac82654 Human SIR
56	15.8	79.0	490	9	ACH12944	Ach12944 Human adu
57	15.8	79.0	497	10	AD881722	Ad881722 Arabidops
58	15.8	79.0	685	3	AAE18131	Aae18131 Lung can
59	15.8	79.0	921	6	AB213611	Ab213611 Arabidops
60	15.8	79.0	954	11	ACH96636	Ach96636 Klebsiell
61	15.8	79.0	966	13	AD58276	Ad58276 Human tum
62	15.8	79.0	1101	4	AAK63517	Aak63517 Human tum
63	15.8	79.0	1115	3	AA032629	Aa032629 Arabidops
64	15.8	79.0	1146	8	ACA45810	Ac445810 Prokaryot
65	15.8	79.0	1185	11	AA045361	Aa045361 Arabidops
66	15.8	79.0	1188	3	AA041076	Aa041076 Arabidops
67	15.8	79.0	1219	3	AA077255	Aa077255 Human ORF
68	15.8	79.0	1457	8	ABX05181	Abx05181 Human nov
69	15.8	79.0	1628	5	AA169756	Aa169756 Human zin
70	15.8	79.0	1716	6	AB050896	Ab050896 Oligonuc1
71	15.8	79.0	1716	6	AB050897	Ab050897 Oligonuc1
72	15.8	79.0	1750	13	ADK45306	Adk45306 Plant ful
73	15.8	79.0	1818	13	ADK60898	Adk60898 Plant ful
74	15.8	79.0	1970	12	ADQ86375	Adq86375 Human tum
75	15.8	79.0	1970	12	ADQ85215	Adq85215 Human tum
76	15.8	79.0	2257	12	ADL33438	Adl33438 Festuca a
77	15.8	79.0	2343	8	ACA24297	Ac24297 Prokaryot
78	15.8	79.0	2688	12	AD063605	Ad063605 Novel hum
79	15.8	79.0	3046	10	ADB62995	Adb62995 Human cdn
80	15.8	79.0	3517	3	AAAI3378	Aaai3378 Mouse MT4
81	15.8	79.0	3517	3	AAAI1339	Aaai1339 CDNA enco
82	15.8	79.0	3949	10	AD122626	Ad122626 Human liv
83	15.8	79.0	4666	13	ADRO8441	Adro8441 Full leng
84	15.8	79.0	7142	6	ABS58372	Abs58372 Protein m
85	15.8	79.0	8029	9	AAI62036	Aai62036 Human cel
86	15.8	79.0	71108	11	ACN44782	Acn44782 Human gen
87	15.8	79.0	91617	14	AD213161	Ad213161 Human can
88	15.8	79.0	96589	9	AD872446	Ad872446 Human ZFH
89	15.8	79.0	96589	10	AD895956	Ad895956 Human ZFH
90	15.8	79.0	96589	12	ADN46845_13	Adn46845_13 of
91	15.8	79.0	110000	12	ADN47591_06	Adn47591_06 of
92	15.8	79.0	110000	12	ADN47591_06	Adn47591_06 of

C	93	15.8	79.0	110000	12	ADN46123_13	Continuation (14 o	166	15.2	76.0	947	6	ABZ17023	Abz17023 Arabidops
C	94	15.8	79.0	110000	12	ADN47209_06	Continuation (7 of	C 167	15.2	76.0	1002	5	ABAI6045	Abai6045 Human ner
C	95	15.8	79.0	110000	12	ADN46464_13	Continuation (14 o	C 168	15.2	76.0	1002	5	ABAI9878	Abai9878 Human ner
C	96	15.8	79.0	110000	12	ADN47960_06	Continuation (7 of	C 169	15.2	76.0	1083	4	ABAI9878	Abai9878 Human ner
C	97	15.4	79.0	226475	9	ABX58279	Abx58279 Human tum	C 170	15.2	76.0	1170	4	ABAI9878	Abai9878 Human ner
C	98	15.4	77.0	430	8	ABX45315	Abx45315 Bovine ES	C 171	15.2	76.0	1266	12	ACF87520	Acf87520 Human kin
C	99	15.4	77.0	655	12	ADJ43685	Adj43685 Plant cDN	C 172	15.2	76.0	1281	13	ACF87520	Acf87520 Human kin
C	100	15.4	77.0	1188	5	AAH52210	Aah52210 Human AFP	C 173	15.2	76.0	1281	13	ACF87520	Acf87520 Human kin
C	101	15.4	77.0	1188	5	AAH52210	Aah52210 Human AFP	C 174	15.2	76.0	1281	13	ACF87520	Acf87520 Human kin
C	102	15.4	77.0	1188	5	AAH52210	Aah52210 Human AFP	C 175	15.2	76.0	1281	13	ACF87520	Acf87520 Human kin
C	103	15.4	77.0	2138	3	AAH15870	Aah15870 Human ORF	C 176	15.2	76.0	1332	13	ADP22998	Adp22998 Human SIR
C	104	15.4	77.0	2397	12	ADQ84916	Adq84916 Human CDN	C 177	15.2	76.0	1332	13	ADP22998	Adp22998 Human SIR
C	105	15.4	77.0	2414	105	AD182460	Ad182460 Human tum	C 178	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	106	15.4	77.0	2973	14	ADK25927	Adk25927 Novel cel	C 179	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	107	15.4	77.0	3185	10	ADK30466	Adk30466 Human ner	C 180	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	108	15.4	77.0	3352	10	ADK61919	Adk61919 Human nov	C 181	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	109	15.4	77.0	3502	10	ADL25756	Adl25756 Human can	C 182	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	110	15.4	77.0	3502	10	ADL25756	Adl25756 Human can	C 183	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	111	15.4	77.0	3670	2	AAZ38241	Aaz38241 Vbrito fu	C 184	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	112	15.4	77.0	3670	2	AAZ38241	Aaz38241 Vbrito fu	C 185	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	113	15.4	77.0	3670	2	AAZ38241	Aaz38241 Vbrito fu	C 186	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	114	15.4	77.0	3945	12	ADF72084	Adf72084 Mouse KPC	C 187	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	115	15.4	77.0	3945	12	ADF72084	Adf72084 Mouse KPC	C 188	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	116	15.4	77.0	4017	13	ADK06788	Adk06788 Full leng	C 189	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	117	15.4	77.0	4017	13	ADK06788	Adk06788 Full leng	C 190	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	118	15.4	77.0	4226	11	ACN44394	Acn44394 Human CDN	C 191	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	119	15.4	77.0	150130	10	ADK35550	Adk35550 Human gen	C 192	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	120	15.2	76.0	20	10	ADK35550	Adk35550 Human gen	C 193	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	121	15.2	76.0	243	1	AAH171332	Aah171332 Exon 4 hu	C 194	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	122	15.2	76.0	257	4	AAH25002	Aah25002 Human ova	C 195	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	123	15.2	76.0	274	6	ABK3986	Abk3986 cDNA enco	C 196	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	124	15.2	76.0	274	6	ABK3986	Abk3986 cDNA enco	C 197	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	125	15.2	76.0	274	8	ACA11340	Ac11340 Human lun	C 198	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	126	15.2	76.0	274	8	ACA11340	Ac11340 Human lun	C 199	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	127	15.2	76.0	274	8	ACA11340	Ac11340 Human lun	C 200	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	128	15.2	76.0	274	8	ACA11340	Ac11340 Human lun	C 201	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	129	15.2	76.0	274	8	ACA11340	Ac11340 Human lun	C 202	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	130	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 203	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	131	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 204	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	132	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 205	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	133	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 206	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	134	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 207	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	135	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 208	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	136	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 209	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	137	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 210	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	138	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 211	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	139	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 212	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	140	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 213	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	141	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 214	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	142	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 215	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	143	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 216	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	144	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 217	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	145	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 218	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	146	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 219	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	147	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 220	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	148	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 221	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	149	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 222	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	150	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 223	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	151	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 224	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	152	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 225	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	153	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 226	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	154	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 227	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	155	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 228	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	156	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 229	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	157	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 230	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	158	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 231	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	159	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 232	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	160	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 233	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	161	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 234	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	162	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 235	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	163	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 236	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	164	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 237	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR
C	165	15.2	76.0	274	10	ADH46563	Adh46563 Human lun	C 238	15.2	76.0	1332	14	ADP22998	Adp22998 Human SIR

GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:51:03 ; Search time 1597.17 Seconds  
(without alignments)  
585.873 Million cell updates/sec

Title: US-10-625-124-9

Perfect score: 20

Sequence: 1 ctcatacagcgagccacacat 20

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 2339354128 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 500 summaries

Database :

EST:\*  
1: gb\_est1:\*  
2: gb\_est2:\*  
3: gb\_est3:\*  
4: gb\_est4:\*  
5: gb\_est5:\*  
6: gb\_est6:\*  
7: gb\_est7:\*  
8: gb\_est8:\*  
9: gb\_est9:\*  
10: gb\_est10:\*  
11: gb\_est11:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	300	1	AU098915
2	20	100.0	314	2	BF849483
3	20	100.0	434	8	TS5932
4	20	100.0	449	1	AW594322
5	20	100.0	479	1	AA426104
6	20	100.0	485	3	BP224073
7	20	100.0	492	3	BM993406
8	20	100.0	496	2	BG747472
9	20	100.0	522	1	AA405864
10	20	100.0	527	6	CA310324
11	20	100.0	530	6	CB111882
12	20	100.0	546	2	BE814688
13	20	100.0	555	1	AI391654
14	20	100.0	556	6	CB829781
15	20	100.0	557	3	BP274875
16	20	100.0	559	5	BK487803
17	20	100.0	560	1	AT797115
18	20	100.0	561	1	BP241154
19	20	100.0	562	3	BP239399
20	20	100.0	562	7	CK905568
21	20	100.0	564	1	AU279476
22	20	100.0	572	3	BT61569

23	20	100.0	574	3	BP213400
24	20	100.0	575	1	AT378036
25	20	100.0	577	1	AW771639
26	20	100.0	579	1	AW771591
27	20	100.0	579	3	BP212549
28	20	100.0	579	3	BP277224
29	20	100.0	580	1	AM268836
30	20	100.0	580	3	BP321544
31	20	100.0	580	3	BP332044
32	20	100.0	581	1	AI651543
33	20	100.0	581	3	BP250812
34	20	100.0	581	3	BP355711
35	20	100.0	582	3	BP216508
36	20	100.0	582	3	BP229719
37	20	100.0	582	3	BP255505
38	20	100.0	582	3	BP289331
39	20	100.0	582	3	BP294125
40	20	100.0	582	3	BP326502
41	20	100.0	582	3	BP355742
42	20	100.0	583	3	BP271460
43	20	100.0	583	3	BP363684
44	20	100.0	584	3	BP344472
45	20	100.0	584	3	BP358428
46	20	100.0	592	5	BK340297
47	20	100.0	593	3	BP214206
48	20	100.0	593	3	BM507279
49	20	100.0	600	3	BM666512
50	20	100.0	601	3	BM993414
51	20	100.0	625	7	CN481922
52	20	100.0	631	3	BT838932
53	20	100.0	657	7	CY028566
54	20	100.0	673	1	AL039824
55	20	100.0	673	3	BI836119
56	20	100.0	677	3	BM695624
57	20	100.0	685	7	CN277568
58	20	100.0	697	2	BG769726
59	20	100.0	697	3	BI836186
60	20	100.0	723	3	BM840185
61	20	100.0	743	10	AG186833
62	20	100.0	755	2	BE871868
63	20	100.0	773	1	AU137728
64	20	100.0	773	3	BM919775
65	20	100.0	803	3	BI770329
66	20	100.0	829	3	BI560515
67	20	100.0	855	6	CB992557
68	20	100.0	876	3	BI759206
69	20	100.0	878	6	CD358893
70	20	100.0	881	1	AL549312
71	20	100.0	886	3	BI834207
72	20	100.0	913	5	BK402565
73	20	100.0	917	5	BK458352
74	20	100.0	922	5	BK382242
75	20	100.0	925	2	BG252311
76	20	100.0	935	2	BS323330
77	20	100.0	940	1	AL549778
78	20	100.0	968	5	BQ707863
79	20	100.0	1003	3	BM473862
80	20	100.0	1044	1	AL523081
81	20	100.0	1076	3	BM473861
82	20	100.0	1578	10	AV413611
83	20	100.0	1632	10	AV413610
84	20	100.0	1895	4	CR624205
85	20	100.0	195	5	CO6342
86	19	95.0	1505	3	BP383106
87	18.4	92.0	178	7	CN358891
88	18.4	92.0	182	3	BM848523
89	18.4	92.0	193	2	BE094733
90	18.4	92.0	229	3	BM751862
91	18.4	92.0	235	1	AM296366
92	18.4	92.0	241	5	H17874
93	18.4	92.0	274	1	BK633684
94	18.4	92.0	274	1	AA337760
95	18.4	92.0	277	1	AA091409

BP213400	BP213400
AT378036	le67g12.x
AW771639	hm59f08.x
AW771591	hm58g10.x
BP212549	BP212549
BP277224	BP277224
AM268836	xv48604.x
BP321544	BP321544
BP332044	BP332044
AI651543	wa22e06.x
BP250812	BP250812
BP355711	BP355711
BP216508	BP216508
BP229719	BP229719
BP255505	BP255505
BP289331	BP289331
BP294125	BP294125
BP326502	BP326502
BP355742	BP355742
BP271460	BP271460
BP363684	BP363684
BP344472	BP344472
BP358428	BP358428
BK340297	BK340297
BP214206	BP214206
BM507279	hm26f10.y
BM666512	UI-B-CQ1-
BM993414	UI-H-DT0-
CN481922	hw13g05.y
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CY028566	7114.Fu11
AL039824	DKF2p34C
BI836119	603085821
BM695624	UI-B-CQ1-
CN277568	170005319
BG769726	602744618
BI836186	603085721
BM840185	K-EST0117
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BE871868	601447883
AU137728	AU137728
BM919775	AGENCOURT
BI770329	603056236
BI560515	603254502
CB992557	AGENCOURT
BI759206	603042633
CD358893	AGENCOURT
AL549312	AL549312
BI834207	603084112
BK402565	BK402565
BK458352	BK458352
BK382242	BK382242
BG252311	602365195
BS323330	602421711
AL549778	AL549778
BQ707863	AGENCOURT
BM473862	AGENCOURT
AL523081	AL523081
BM473861	AGENCOURT
AV413611	Par.trog1
AV413610	Homo.sapi
CR624205	full-1eng
CO6342	CO6342
BP383106	BP383106
CN358891	170005322
BM848523	K-EST0128
BE094733	MRO-BT077
BM751862	K-EST0028
AM296366	UI-H-BWO-
H17874	ym36e10.r1
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AA337760	EST42532
AA091409	112049.se

C 96	18.4	92.0	277	1	AM899422	MRO-NN008	C 169	18.4	92.0	451	7	CN358899	CN358899	170006008
C 97	18.4	92.0	279	2	BE700002	MRO-NN008	C 170	18.4	92.0	452	5	BX954489	BX954489	DKF2781P
C 98	18.4	92.0	286	1	AA385909	EST9611	C 171	18.4	92.0	455	6	CB130357	CB130357	K-EST0180
C 99	18.4	92.0	286	2	BE094734	MRO-BT077	C 172	18.4	92.0	455	6	CB741273	CB741273	AMGNNUC:N
C 100	18.4	92.0	290	1	AA362455	EST72163	C 173	18.4	92.0	457	6	CB153231	CB153231	K-EST0210
C 101	18.4	92.0	292	2	BE094753	MRO-BT077	C 174	18.4	92.0	459	2	BE547524	BE547524	601075149
C 102	18.4	92.0	295	6	CB130938	CB130938	C 175	18.4	92.0	460	1	AV703896	AV703896	AV703896
C 103	18.4	92.0	296	1	AA328031	K-EST0180	C 176	18.4	92.0	460	6	CB121128	CB121128	K-EST0168
C 104	18.4	92.0	300	2	BE094740	EST31502	C 177	18.4	92.0	465	1	AA806510	AA806510	CC28A04.8
C 105	18.4	92.0	300	2	BE094765	MRO-BT077	C 178	18.4	92.0	465	2	BG528649	BG528649	602579501
C 106	18.4	92.0	300	2	BE094767	MRO-BT077	C 179	18.4	92.0	466	6	CA405343	CA405343	1001582.H
C 107	18.4	92.0	302	1	AA349692	EST56636	C 180	18.4	92.0	467	1	AA405535	AA405535	UI-HF-BKO
C 108	18.4	92.0	311	8	F11909	HSC3B11.1	C 181	18.4	92.0	467	6	CB113940	CB113940	AMGNNUC:N
C 109	18.4	92.0	319	1	AJ709232	AJ709232	C 182	18.4	92.0	469	6	CB121047	CB121047	K-EST0169
C 110	18.4	92.0	324	1	AM358568	WX3E09.X	C 183	18.4	92.0	470	6	AA114828	AA114828	AMGNNUC:N
C 111	18.4	92.0	324	6	CB067232	CB067232	C 184	18.4	92.0	470	6	CB733150	CB733150	EST186649
C 112	18.4	92.0	331	2	BF838034	PM1-HT100	C 185	18.4	92.0	471	2	BE866630	BE866630	601679228
C 113	18.4	92.0	333	7	CN358958	CN358958	C 186	18.4	92.0	471	6	CP142166	CP142166	UI-HF-CBO
C 114	18.4	92.0	333	7	CN358925	CN358925	C 187	18.4	92.0	481	1	AI142330	AI142330	Q963E09.X
C 115	18.4	92.0	338	7	CN358898	CN358898	C 188	18.4	92.0	485	6	CB121648	CB121648	K-EST0169
C 116	18.4	92.0	344	7	AA317094	EST18983	C 189	18.4	92.0	486	1	AM951715	AM951715	AU297965
C 117	18.4	92.0	344	1	AA306522	EST177474	C 190	18.4	92.0	488	6	CB126026	CB126026	AMGNNUC:N
C 118	18.4	92.0	345	1	AA306522	EST177474	C 191	18.4	92.0	488	1	AU297965	AU297965	AMGNNUC:N
C 119	18.4	92.0	346	5	BUT90275	BUT90275	C 192	18.4	92.0	490	5	BUS58898	BUS58898	CI39B10.Z
C 120	18.4	92.0	347	6	CB147747	K-EST0203	C 193	18.4	92.0	492	6	BM148237	BM148237	TCAAP1Q98
C 121	18.4	92.0	349	8	D55304	HDM173B10B	C 194	18.4	92.0	494	6	CB150783	CB150783	K-EST0207
C 122	18.4	92.0	355	2	BP549466	UI-R-C2-m	C 195	18.4	92.0	494	6	CD698960	CD698960	EST15483
C 123	18.4	92.0	356	7	CN358885	CN358885	C 196	18.4	92.0	495	10	AY398913	AY398913	Homo.sapi
C 124	18.4	92.0	356	7	CN358885	CN358885	C 197	18.4	92.0	497	9	AZ869354	AZ869354	2M0181M05
C 125	18.4	92.0	359	1	AV650634	AV650634	C 198	18.4	92.0	498	1	AA471118	AA471118	MT2098.K
C 126	18.4	92.0	363	7	CN358957	CN358957	C 199	18.4	92.0	499	2	BF665625	BF665625	602119835
C 127	18.4	92.0	370	1	AA355014	EST63351	C 200	18.4	92.0	499	3	BM795010	BM795010	K-EST0076
C 128	18.4	92.0	372	1	BG116784	BG116784	C 201	18.4	92.0	500	2	AM999866	AM999866	MRO-BNO07
C 129	18.4	92.0	372	1	AV688620	AV688620	C 202	18.4	92.0	500	2	BF029201	BF029201	601675417
C 130	18.4	92.0	373	1	AV650664	AV650664	C 203	18.4	92.0	504	2	BE876390	BE876390	601486816
C 131	18.4	92.0	373	1	AA308231	EST179065	C 204	18.4	92.0	505	2	BR817207	BR817207	PM3-C1015
C 132	18.4	92.0	376	7	CN358917	CN358917	C 205	18.4	92.0	507	1	AI386570	AI386570	UI-R-C2-m
C 133	18.4	92.0	377	1	AM403135	AM403135	C 206	18.4	92.0	507	1	AV722528	AV722528	AV722528
C 134	18.4	92.0	377	6	CB123104	K-EST0171	C 207	18.4	92.0	507	2	BE251871	BE251871	601107505
C 135	18.4	92.0	377	6	CD697967	CD697967	C 208	18.4	92.0	508	8	DN994218	DN994218	TC118249
C 136	18.4	92.0	385	2	BE266667	BE266667	C 209	18.4	92.0	509	2	BE018431	BE018431	bb86C08.Y
C 137	18.4	92.0	385	3	BP388448	BP388448	C 210	18.4	92.0	510	6	CA950572	CA950572	1E90F09.Y
C 138	18.4	92.0	386	1	CA944771	CA944771	C 211	18.4	92.0	510	7	CN358919	CN358919	170006000
C 139	18.4	92.0	391	6	AA149254	K-EST0205	C 212	18.4	92.0	511	7	CR749055	CR749055	CR749055
C 140	18.4	92.0	395	6	CD695969	CD695969	C 213	18.4	92.0	514	2	BE568538	BE568538	601342435
C 141	18.4	92.0	398	2	BE730658	BE730658	C 214	18.4	92.0	514	2	BF027889	BF027889	601764209
C 142	18.4	92.0	404	5	BUS66465	BUS66465	C 215	18.4	92.0	516	2	DN989797	DN989797	TC105794
C 143	18.4	92.0	405	6	CB121076	CB121076	C 216	18.4	92.0	516	2	BE984009	BE984009	UI-M-BH3
C 144	18.4	92.0	409	2	BE005371	BE005371	C 217	18.4	92.0	517	1	AM494841	AM494841	UI-M-CG0P
C 145	18.4	92.0	411	3	BM759080	BM759080	C 218	18.4	92.0	519	7	CN358935	CN358935	170006001
C 146	18.4	92.0	413	7	CN358873	CN358873	C 219	18.4	92.0	519	6	CB547687	CB547687	AMGNNUC:N
C 147	18.4	92.0	414	3	BM771337	BM771337	C 220	18.4	92.0	521	1	AM468799	AM468799	h428C02.X
C 148	18.4	92.0	415	5	B0780341	B0780341	C 221	18.4	92.0	522	1	AA505530	AA505530	hh48C04.8
C 149	18.4	92.0	416	3	AT071363	AT071363	C 222	18.4	92.0	524	2	BE667734	BE667734	602122345
C 150	18.4	92.0	418	1	AM405545	AM405545	C 223	18.4	92.0	525	1	AA160551	AA160551	60217732.X
C 151	18.4	92.0	419	1	AM405545	AM405545	C 224	18.4	92.0	525	1	AM118094	AM118094	60279D05.X
C 152	18.4	92.0	420	2	BI044327	BI044327	C 225	18.4	92.0	526	1	AM403671	AM403671	UI-HF-BKO
C 153	18.4	92.0	423	7	CN358926	CN358926	C 226	18.4	92.0	526	3	EM083695	EM083695	1msgegc.2
C 154	18.4	92.0	425	2	BF887252	BF887252	C 227	18.4	92.0	529	3	AY577286	AY577286	AV77286
C 155	18.4	92.0	426	3	BM771272	BM771272	C 228	18.4	92.0	530	2	BE018819	BE018819	bb85D08.Y
C 156	18.4	92.0	432	6	CB113682	CB113682	C 229	18.4	92.0	530	5	BX473354	BX473354	DKF2P68N
C 157	18.4	92.0	434	6	AA316048	AA316048	C 230	18.4	92.0	531	1	AU296896	AU296896	AMGNNUC:N
C 158	18.4	92.0	436	6	CB552725	CB552725	C 231	18.4	92.0	531	6	CB718915	CB718915	602579501
C 159	18.4	92.0	436	7	CN358916	CN358916	C 232	18.4	92.0	532	1	AA305316	AA305316	602547656
C 160	18.4	92.0	437	7	CR773003	CR773003	C 233	18.4	92.0	532	2	BG500212	BG500212	602547656
C 161	18.4	92.0	442	3	BM944558	BM944558	C 234	18.4	92.0	532	7	CN358946	CN358946	170006000
C 162	18.4	92.0	442	6	CD567797	CD567797	C 235	18.4	92.0	533	6	CB151287	CB151287	K-EST0208
C 163	18.4	92.0	445	1	AL589827	AL589827	C 236	18.4	92.0	536	3	BM697972	BM697972	UI-E-DX0
C 164	18.4	92.0	446	1	BP418888	BP418888	C 237	18.4	92.0	536	3	BM710243	BM710243	UI-E-C11
C 165	18.4	92.0	450	7	CN358924	CN358924	C 238	18.4	92.0	536	6	CB555719	CB555719	MMSPO019
C 166	18.4	92.0	451	1	AM402267	AM402267	C 239	18.4	92.0	538	1	AA312870	AA312870	EST183528
C 167	18.4	92.0	451	3	BM649663	BM649663	C 240	18.4	92.0	538	1	AA312870	AA312870	EST183528
C 168	18.4	92.0	451	3	BM649663	BM649663	C 241	18.4	92.0	538	1	AA312870	AA312870	EST183528

OM nucleic - nucleic search, using sw model

Title: US-10-625-124-9

Sequence: 1 ctcatcacgagccacat 20

scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

```
Searched:      1303057 seqs, 888780828 residues
Total number of hits satisfying chosen parameters: 2606114
```

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Maximum Match 100%  
Listing first 500 summaries

Database :

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1: /cgn2_6/prodata/1/ina/1 COMB. seq: *
2: /cgn2_6/prodata/1/ina/5 COMB. seq: *
3: /cgn2_6/prodata/1/ina/6A COMB. seq: *
4: /cgn2_6/prodata/1/ina/6B COMB. seq: *
5: /cgn2_6/prodata/1/ina/H COMB. seq: *
6: /cgn2_6/prodata/1/ina/PCTUS COMB. seq: *
7: /cgn2_6/prodata/1/ina/PP COMB. seq: *
8: /cgn2_6/prodata/1/ina/RE COMB. seq: *
9: /cgn2_6/prodata/1/ina/backfile1.seq: *

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**Pred. No.** is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysts of the total score distribution.

## SUMMARIES

Query Match Length DB ID					Description
No.	Score	Query Match	Length	ID	Description
C 1	20	100.0	364	3	US-09-513-999C-269
C 2	18.4	92.0	470	3	US-09-513-999C-746
C 3	18.4	92.0	527	3	US-09-949-016-5271
C 4	18.4	92.0	601	3	US-09-949-016-183836
C 5	18.4	92.0	601	3	US-09-949-016-183837
C 6	18.4	92.0	3026	3	US-09-919-039-312
C 7	18.4	92.0	9259	3	US-09-949-016-17013
C 8	16.4	82.0	1136	3	US-09-513-999C-3733
C 9	16.4	82.0	1136	3	US-09-949-016-4754
C 10	16.4	82.0	15817	3	US-09-949-016-16496
C 11	15.8	79.0	354	3	US-09-250-609-100
C 12	15.8	79.0	354	3	US-09-250-611-100
C 13	15.8	79.0	353	3	US-09-621-976-15557
C 14	15.8	79.0	954	3	US-09-489-039A-2431
C 15	15.8	79.0	3046	3	US-10-104-047-1149
C 16	15.8	79.0	13626	3	US-09-949-016-12756
C 17	15.8	79.0	136265	3	US-09-949-016-13001
C 18	15.4	77.0	3352	3	US-10-104-047-73
C 19	15.4	77.0	3670	2	US-08-386-727-3
C 20	15.4	77.0	3670	2	US-08-600-452A-3
C 21	15.4	77.0	265038	3	US-09-949-016-15779
C 22	15.2	76.0	274	3	US-09-702-705-1024
C 23	15.2	76.0	274	3	US-09-702-705-1049
C 24	15.2	76.0	274	3	US-09-736-457-1024

C	25	15.2	76.0	274	3	US-09-736-457-1049	Sequence 1049, App
C	26	15.2	76.0	274	3	US-09-614-124B-1024	Sequence 1024, App
C	27	15.2	76.0	274	3	US-09-614-124B-1049	Sequence 1049, App
C	28	15.2	76.0	274	3	US-09-671-325-1024	Sequence 1024, App
C	29	15.2	76.0	274	3	US-09-671-325-1049	Sequence 1049, App
C	30	15.2	76.0	274	3	US-09-658-824-1024	Sequence 1024, App
C	31	15.2	76.0	274	3	US-09-658-824-1049	Sequence 1049, App
C	32	15.2	76.0	274	3	US-10-017-754-1024	Sequence 1024, App
C	33	15.2	76.0	274	3	US-10-017-754-1049	Sequence 1049, App
C	34	15.2	76.0	274	3	US-09-651-563-1024	Sequence 1024, App
C	35	15.2	76.0	274	3	US-09-651-563-1049	Sequence 1049, App
C	36	15.2	76.0	341	3	US-09-513-999C-3172	Sequence 1172, App
C	37	15.2	76.0	439	3	US-09-270-767-1596	Sequence 1596, App
C	38	15.2	76.0	439	3	US-09-270-767-15978	Sequence 16978, App
C	39	15.2	76.0	601	3	US-09-949-016-127746	Sequence 127746, App
C	40	15.2	76.0	601	3	US-09-949-016-127747	Sequence 127747, App
C	41	15.2	76.0	601	3	US-09-949-016-128083	Sequence 128083, App
C	42	15.2	76.0	601	3	US-09-949-016-128084	Sequence 128084, App
C	43	15.2	76.0	601	3	US-09-949-016-129224	Sequence 129224, App
C	44	15.2	76.0	601	3	US-09-949-016-129225	Sequence 129225, App
C	45	15.2	76.0	601	3	US-09-949-016-156979	Sequence 169679, App
C	46	15.2	76.0	601	3	US-09-949-016-156980	Sequence 169680, App
C	47	15.2	76.0	601	3	US-09-949-016-180741	Sequence 180741, App
C	48	15.2	76.0	601	3	US-09-949-016-200924	Sequence 200924, App
C	49	15.2	76.0	886	3	US-08-858-207A-213	Sequence 213, App
C	50	15.2	76.0	1299	3	US-09-252-991A-5449	Sequence 5449, App
C	51	15.2	76.0	1471	3	US-09-949-016-5372	Sequence 5372, App
C	52	15.2	76.0	1728	3	US-09-774-693-34	Sequence 34, App
C	53	15.2	76.0	1728	3	US-09-252-991A-5466	Sequence 5466, App
C	54	15.2	76.0	1743	3	US-09-252-991A-5482	Sequence 5482, App
C	55	15.2	76.0	3581	3	US-09-949-016-4865	Sequence 4865, App
C	56	15.2	76.0	7847	3	US-09-799-491-531	Sequence 591, App
C	57	15.2	76.0	9164	3	US-09-814-915A-80	Sequence 80, App
C	58	15.2	76.0	9779	3	US-09-949-016-15370	Sequence 15370, App
C	59	15.2	76.0	24018	3	US-09-949-016-17114	Sequence 17114, App
C	60	15.2	76.0	25559	3	US-09-949-016-16707	Sequence 16707, App
C	61	15.2	76.0	36620	3	US-09-952-060-31	Sequence 31, App
C	62	15.2	76.0	37474	3	US-09-952-060-26	Sequence 26, App
C	63	15.2	76.0	38519	3	US-09-952-060-29	Sequence 29, App
C	64	15.2	76.0	68283	3	US-09-949-016-12621	Sequence 12621, App
C	65	15.2	76.0	70770	3	US-09-949-016-16938	Sequence 16938, App
C	66	15.2	76.0	90716	3	US-09-949-016-15551	Sequence 16551, App
C	67	15.2	76.0	98767	3	US-09-949-016-1230	Sequence 17230, App
C	68	15.2	76.0	98864	3	US-09-949-016-15403	Sequence 15403, App
C	69	15.2	76.0	99748	3	US-09-949-016-11990	Sequence 11990, App
C	70	15.2	76.0	99749	3	US-09-949-016-16518	Sequence 16518, App
C	71	15.2	76.0	254664	3	US-09-949-016-12583	Sequence 12583, App
C	72	15.2	76.0	304563	3	US-09-949-016-15392	Sequence 15392, App
C	73	15.2	76.0	304563	3	US-09-949-016-15371	Sequence 15371, App
C	74	15.2	76.0	304563	3	US-09-949-016-15372	Sequence 15372, App
C	75	15.2	76.0	390890	3	US-09-949-016-14720	Sequence 14720, App
C	76	15	75.0	601	3	US-09-949-016-139625	Sequence 139625, App
C	77	15	75.0	601	3	US-09-949-016-139637	Sequence 139637, App
C	78	15	75.0	9785	2	US-08-312-387-1	Sequence 1, App
C	79	15	75.0	22871	3	US-09-949-016-15688	Sequence 15688, App
C	80	15	75.0	22871	3	US-09-949-016-15689	Sequence 15689, App
C	81	14.8	74.0	362	3	US-09-621-976-3662	Sequence 3662, App
C	82	14.8	74.0	441	3	US-09-250-609-102	Sequence 102, App
C	83	14.8	74.0	441	3	US-09-250-611-102	Sequence 102, App
C	84	14.8	74.0	601	3	US-09-949-016-39027	Sequence 102, App
C	85	14.8	74.0	601	3	US-09-949-016-176871	Sequence 176871, App
C	86	14.8	74.0	601	3	US-09-949-016-176872	Sequence 176872, App
C	87	14.8	74.0	601	3	US-09-949-016-178506	Sequence 178506, App
C	88	14.8	74.0	601	3	US-09-949-016-188905	Sequence 188905, App
C	89	14.8	74.0	601	3	US-09-949-016-188905	Sequence 188905, App
C	90	14.8	74.0	601	3	US-09-949-016-188907	Sequence 188907, App
C	91	14.8	74.0	601	3	US-09-949-016-200925	Sequence 200925, App
C	92	14.8	74.0	842	3	US-09-270-767-2224	Sequence 2224, App
C	93	14.8	74.0	842	3	US-09-270-767-17506	Sequence 17506, App
C	94	14.8	74.0	884	3	US-09-489-039A-6828	Sequence 6828, App
C	95	14.8	74.0	990	4	US-09-605-703B-2099	Sequence 2099, App
C	96	14.8	74.0	1218	4	US-09-489-039A-2240	Sequence 2240, App
C	97	14.8	74.0	1548	3	US-09-489-039A-1231	Sequence 1231, App

C 98	14.8	74.0	1652	3	US-08-726-214-17	Sequence 17, Appl	C 171	14.2	71.0	266	3	US-09-313-294A-668	Sequence 68, App
C 99	14.8	74.0	1794	3	US-09-902-540-9472	Sequence 9472, Ap	C 172	14.2	71.0	269	3	US-09-016-434-376	Sequence 746, App
C 100	14.8	74.0	1929	3	US-09-270-767-13456	Sequence 13456, A	C 173	14.2	71.0	405	3	US-09-252-991A-7496	Sequence 7496, App
C 101	14.8	74.0	2236	3	US-10-104-0047-663	Sequence 663, App	C 174	14.2	71.0	478	3	US-09-621-976-798	Sequence 798, App
C 102	14.8	74.0	2285	3	US-09-250-609-5	Sequence 5, Appli	C 175	14.2	71.0	525	3	US-09-023-655-522	Sequence 522, App
C 103	14.8	74.0	2285	3	US-09-250-611-5	Sequence 5, Appli	C 176	14.2	71.0	601	3	US-09-949-016-22544	Sequence 22544, A
C 104	14.8	74.0	2285	3	US-09-949-016-466	Sequence 466, App	C 177	14.2	71.0	601	3	US-09-949-016-27161	Sequence 27161, A
C 105	14.8	74.0	2285	3	US-09-949-016-1808	Sequence 1808, Ap	C 178	14.2	71.0	601	3	US-09-949-016-41495	Sequence 41495, A
C 106	14.8	74.0	2265	3	US-09-949-016-1808	Sequence 1808, Ap	C 179	14.2	71.0	601	3	US-09-949-016-70026	Sequence 70026, A
C 107	14.8	74.0	2411	3	US-09-976-674-26	Sequence 26, Appl	C 180	14.2	71.0	601	3	US-09-949-016-70200	Sequence 70200, A
C 108	14.8	74.0	2470	3	US-09-949-016-210	Sequence 210, App	C 181	14.2	71.0	601	3	US-09-949-016-128520	Sequence 128520, A
C 109	14.8	74.0	2477	3	US-09-949-016-4849	Sequence 4849, Ap	C 182	14.2	71.0	601	3	US-09-949-016-128521	Sequence 128521, A
C 110	14.8	74.0	2580	3	US-09-902-540-4048	Sequence 4048, Ap	C 183	14.2	71.0	601	3	US-09-949-016-128522	Sequence 128522, A
C 111	14.8	74.0	2617	3	US-09-976-674-4	Sequence 4, Appli	C 184	14.2	71.0	601	3	US-09-949-016-136660	Sequence 136660, A
C 112	14.8	74.0	3024	3	US-09-949-016-5121	Sequence 5121, Ap	C 185	14.2	71.0	601	3	US-09-949-016-182394	Sequence 182394, A
C 113	14.8	74.0	4008	3	US-08-307-896-5	Sequence 5, Appli	C 186	14.2	71.0	601	3	US-09-949-016-200430	Sequence 200430, A
C 114	14.8	74.0	4008	3	US-08-726-214-3	Sequence 3, Appli	C 187	14.2	71.0	601	3	US-09-949-016-200431	Sequence 200431, A
C 115	14.8	74.0	4008	6	PCT-US95-11808-5	Sequence 5, Appli	C 188	14.2	71.0	601	3	US-09-949-002-1708	Sequence 1708, Ap
C 116	14.8	74.0	4037	3	US-09-976-674-40	Sequence 40, Appl	C 189	14.2	71.0	601	3	US-09-949-002-1709	Sequence 1709, Ap
C 117	14.8	74.0	4076	3	US-09-976-674-32	Sequence 32, Appl	C 190	14.2	71.0	605	3	US-09-513-999C-11156	Sequence 11156, A
C 118	14.8	74.0	4120	3	US-09-976-674-38	Sequence 38, Appl	C 191	14.2	71.0	657	3	US-09-533-559-6992	Sequence 6992, Ap
C 119	14.8	74.0	4159	3	US-09-976-674-30	Sequence 30, Appl	C 192	14.2	71.0	687	3	US-09-252-991A-7266	Sequence 7266, Ap
C 120	14.8	74.0	4180	3	US-09-976-674-36	Sequence 36, Appl	C 193	14.2	71.0	693	3	US-09-252-991A-7352	Sequence 7352, Ap
C 121	14.8	74.0	4219	3	US-09-976-674-28	Sequence 28, Appl	C 194	14.2	71.0	738	3	US-08-961-527-383	Sequence 738, App
C 122	14.8	74.0	4263	3	US-09-976-674-34	Sequence 34, Appl	C 195	14.2	71.0	817	3	US-09-809-545A-7	Sequence 7, Appli
C 123	14.8	74.0	4302	3	US-09-976-674-24	Sequence 24, Appl	C 196	14.2	71.0	837	3	US-09-252-991A-651	Sequence 651, App
C 124	14.8	74.0	4327	3	US-09-949-016-1								



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OM nucleic - nucleic search, using sw model1

Run on: March 17, 2006, 21:44:19, Search time 530 Seconds  
(without alignments)  
312.052 Million cell updates/sec

Title: US-10-625-124-9  
Perfect score: 20  
Sequence: 1 ctcatacagcgagccacat 20

Scoring table: IDENTITY\_NUC  
Gap 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 500 summaries

Database :

Published Applications NA Main:\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
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- 10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	20	US-10-625-124-9	Sequence 9, Appl1
2	20	100.0	2016	US-10-172-118-421	Sequence 421, App
3	20	100.0	2016	US-10-342-887-421	Sequence 421, App
4	20	100.0	2016	US-10-625-124-1	Sequence 1, Appl1
5	20	100.0	2016	US-10-956-157-335	Sequence 335, App
6	20	100.0	261	US-10-625-124-3	Sequence 3, Appl1
7	18.4	92.0	290	US-09-918-995-20670	Sequence 20670, A
8	18.4	92.0	290	US-10-242-535A-29498	Sequence 29498, A
9	18.4	92.0	290	US-10-085-783A-29498	Sequence 29498, A
10	18.4	92.0	291	US-09-796-692-3760	Sequence 3760, App
11	18.4	92.0	291	US-10-040-862-3760	Sequence 3760, App
12	18.4	92.0	291	US-10-057-475B-3760	Sequence 3760, App
13	18.4	92.0	291	US-10-154-884B-3760	Sequence 3760, App
14	18.4	92.0	291	US-10-764-324-3760	Sequence 3760, App
15	18.4	92.0	336	US-10-242-535A-6055	Sequence 6055, App
16	18.4	92.0	336	US-10-085-783A-6055	Sequence 6055, App
17	18.4	92.0	342	US-10-242-535A-13590	Sequence 13590, A
18	18.4	92.0	342	US-10-085-783A-13590	Sequence 13590, A
19	18.4	92.0	351	US-10-242-535A-18702	Sequence 18702, A
20	18.4	92.0	351	US-10-085-783A-18702	Sequence 18702, A
21	18.4	92.0	402	US-09-922-217-857	Sequence 857, App
22	18.4	92.0	402	US-09-833-263-857	Sequence 857, App
23	18.4	92.0	402	US-10-025-380-857	Sequence 857, App

C 24	18.4	92.0	430	7	US-10-242-535A-30269	Sequence 30269, A
C 25	18.4	92.0	430	7	US-10-085-783A-30269	Sequence 30269, A
C 26	18.4	92.0	454	9	US-10-450-763-18734	Sequence 18734, A
C 27	18.4	92.0	459	3	US-09-918-995-34638	Sequence 34638, A
C 28	18.4	92.0	464	3	US-09-918-995-11840	Sequence 11840, A
C 29	18.4	92.0	492	3	US-09-918-995-9381	Sequence 9381, App
C 30	18.4	92.0	500	9	US-10-450-763-12248	Sequence 12248, A
C 31	18.4	92.0	528	9	US-10-956-157-988	Sequence 988, App
C 32	18.4	92.0	528	9	US-10-956-157-6223	Sequence 6223, App
C 33	18.4	92.0	560	3	US-09-998-598-148	Sequence 148, App
C 34	18.4	92.0	598	6	US-10-116-712-9	Sequence 9, Appl1
C 35	18.4	92.0	936	9	US-10-779-543-7946	Sequence 7946, App
C 36	18.4	92.0	1750	3	US-09-925-302-316	Sequence 316, App
C 37	18.4	92.0	1750	3	US-09-925-302-316	Sequence 316, App
C 38	18.4	92.0	3026	3	US-09-919-039-314	Sequence 314, App
C 39	17.4	87.0	355	7	US-10-242-535A-32361	Sequence 32361, A
C 40	17.4	87.0	355	7	US-10-085-783A-32361	Sequence 32361, A
C 41	17.4	87.0	405	6	US-10-062-674-887	Sequence 887, App
C 42	17.4	87.0	647	3	US-09-998-598-1817	Sequence 1817, App
C 43	17.4	87.0	2097	9	US-10-764-420-2581	Sequence 2581, App
C 44	17.4	85.0	596	7	US-10-424-599-116367	Sequence 116367, A
C 45	16.8	84.0	437	3	US-09-918-995-33647	Sequence 33647, A
C 46	16.8	84.0	885	7	US-10-424-599-2054	Sequence 2054, App
C 47	16.4	82.0	25	9	US-10-956-157-258162	Sequence 258162, A
C 48	16.4	82.0	321	8	US-10-425-115-21345	Sequence 21345, A
C 49	16.4	82.0	326	7	US-10-242-535A-11709	Sequence 11709, A
C 50	16.4	82.0	326	7	US-10-085-783A-11709	Sequence 11709, A
C 51	16.4	82.0	410	8	US-10-357-930-12785	Sequence 12785, A
C 52	16.4	82.0	412	8	US-10-357-930-3616	Sequence 3616, App
C 53	16.4	82.0	440	3	US-09-998-598-1217	Sequence 1217, App
C 54	16.4	82.0	440	7	US-10-242-535A-36343	Sequence 36343, A
C 55	16.4	82.0	440	7	US-10-085-783A-36343	Sequence 36343, A
C 56	16.4	82.0	455	8	US-10-357-930-33941	Sequence 33941, A
C 57	16.4	82.0	455	8	US-10-357-930-42817	Sequence 42817, A
C 58	16.4	82.0	468	7	US-10-242-535A-40997	Sequence 40997, A
C 59	16.4	82.0	468	7	US-10-085-783A-40997	Sequence 40997, A
C 60	16.4	82.0	894	7	US-10-236-417-111	Sequence 111, App
C 61	16.4	82.0	900	7	US-10-236-417-109	Sequence 109, App
C 62	16.4	82.0	1134	3	US-09-795-651-69	Sequence 69, Appl1
C 63	16.4	82.0	1134	9	US-10-956-157-6964	Sequence 69, App
C 64	16.4	82.0	1134	9	US-10-956-157-6964	Sequence 69, App
C 65	16.4	82.0	1183	8	US-10-684-422-260	Sequence 260, App
C 66	16.4	82.0	1230	9	US-10-887-553A-146	Sequence 146, App
C 67	16.4	82.0	1231	8	US-10-357-930-21379	Sequence 21379, A
C 68	16.4	82.0	1231	8	US-10-357-930-22370	Sequence 22370, A
C 69	16.4	82.0	1231	8	US-10-357-930-27220	Sequence 27220, A
C 70	16.4	82.0	1231	8	US-10-357-930-28210	Sequence 28210, A
C 71	16.4	82.0	1624	10	US-11-019-855-24	Sequence 24, Appl1
C 72	16.4	82.0	3640	3	US-09-971-392-125	Sequence 125, App
C 73	16.4	82.0	25	8	US-10-719-900-85276	Sequence 85276, A
C 74	15.8	79.0	171	7	US-10-242-535A-35421	Sequence 35421, A
C 75	15.8	79.0	171	7	US-10-085-783A-35421	Sequence 35421, A
C 76	15.8	79.0	259	3	US-10-424-599-44593	Sequence 44593, A
C 77	15.8	79.0	354	3	US-09-250-611-100	Sequence 100, App
C 78	15.8	79.0	354	3	US-09-960-352-7096	Sequence 7096, App
C 79	15.8	79.0	392	3	US-09-918-995-156	Sequence 156, App
C 80	15.8	79.0	497	3	US-09-770-961-493	Sequence 493, App
C 81	15.8	79.0	600	9	US-10-972-079-50084	Sequence 50084, A
C 82	15.8	79.0	600	9	US-10-425-115-54655	Sequence 54655, A
C 83	15.8	79.0	680	8	US-10-925-302-150	Sequence 150, App
C 84	15.8	79.0	685	3	US-09-925-302-150	Sequence 150, App
C 85	15.8	79.0	685	3	US-09-925-302-150	Sequence 150, App
C 86	15.8	79.0	921	3	US-09-918-942A-1416	Sequence 1416, App
C 87	15.8	79.0	921	3	US-09-918-942A-1416	Sequence 1416, App
C 88	15.8	79.0	1146	4	US-10-282-122A-33680	Sequence 33680, A
C 89	15.8	79.0	1471	4	US-09-925-065A-71434	Sequence 71434, A
C 90	15.8	79.0	1471	4	US-10-363-345A-37487	Sequence 37487, A
C 91	15.8	79.0	1716	8	US-10-363-345A-37487	Sequence 37487, A
C 92	15.8	79.0	1716	9	US-10-363-483A-37487	Sequence 37487, A
C 93	15.8	79.0	1716	9	US-10-363-483A-37487	Sequence 37487, A
C 94	15.8	79.0	1750	7	US-10-425-114-20046	Sequence 20046, A
C 95	15.8	79.0	1750	7	US-10-425-114-20046	Sequence 20046, A
C 96	15.8	79.0	1818	7	US-10-425-114-31741	Sequence 31741, A

97	15.8	79.0	2078	8	US-10-425-115-102842	Sequence 102842, A	170	15.2	76.0	460	6	US-10-027-632-35243	Sequence 35243, A
98	15.8	79.0	2249	7	US-10-424-599-12988	Sequence 12988, A	171	15.2	76.0	460	6	US-10-027-632-35244	Sequence 35244, A
99	15.8	79.0	2249	7	US-10-655-799-13	Sequence 13, App1	172	15.2	76.0	461	3	US-09-864-761-2270	Sequence 2270, App
100	15.8	79.0	2343	7	US-10-282-122A-12167	Sequence 12167, A	173	15.2	76.0	469	3	US-09-880-107-3185	Sequence 3185, App
101	15.8	79.0	3046	6	US-10-104-047-1149	Sequence 1149, App	174	15.2	76.0	474	4	US-09-925-065A-845878	Sequence 845878, A
102	15.8	79.0	3517	6	US-10-406-209-3	Sequence 3, App1	175	15.2	76.0	474	4	US-09-925-065A-845879	Sequence 845879, A
103	15.8	79.0	3949	6	US-10-006-285-436	Sequence 436, App	176	15.2	76.0	478	3	US-09-918-995-575	Sequence 575, App
104	15.8	79.0	7142	7	US-10-467-042-21	Sequence 21, App1	177	15.2	76.0	486	3	US-09-918-995-5543	Sequence 2543, App
105	15.8	79.0	7108	5	US-10-087-192-1402	Sequence 1402, App	178	15.2	76.0	489	4	US-09-925-065A-387019	Sequence 387019, A
106	15.8	79.0	96589	7	US-10-052-482-214	Sequence 214, App	179	15.2	76.0	489	4	US-09-925-065A-387020	Sequence 387020, A
107	15.8	79.0	241805	7	US-10-741-601-5621	Sequence 5621, App	180	15.2	76.0	498	4	US-09-925-065A-136388	Sequence 136388, A
108	15.8	79.0	241805	8	US-10-741-600-17581	Sequence 17581, A	181	15.2	76.0	498	4	US-09-925-065A-136389	Sequence 136389, A
109	15.8	79.0	3186778	5	US-10-027-632-174961	Sequence 174961, A	182	15.2	76.0	505	5	US-10-027-632-99024	Sequence 39024, A
110	15.8	79.0	3186778	6	US-10-027-632-174961	Sequence 174961, A	183	15.2	76.0	505	5	US-10-027-632-99024	Sequence 39024, A
111	15.8	79.0	3186778	7	US-10-027-632-174961	Sequence 174961, A	184	15.2	76.0	505	6	US-10-027-632-99024	Sequence 39024, A
112	15.4	77.0	25	7	US-10-424-599-117522	Sequence 117522, A	185	15.2	76.0	505	6	US-10-027-632-99024	Sequence 39024, A
113	15.4	77.0	152	7	US-10-424-599-117522	Sequence 117522, A	186	15.2	76.0	507	4	US-09-925-065A-425074	Sequence 425074, A
114	15.4	77.0	415	7	US-09-960-352-10480	Sequence 10480, A	187	15.2	76.0	524	6	US-10-925-065A-425074	Sequence 425074, A
115	15.4	77.0	430	3	US-09-925-065A-837536	Sequence 837536, A	188	15.2	76.0	535	5	US-10-027-632-79575	Sequence 79575, A
116	15.4	77.0	575	4	US-10-972-079-30058	Sequence 30058, A	189	15.2	76.0	535	5	US-10-027-632-79576	Sequence 79576, A
117	15.4	77.0	599	9	US-10-972-079-30059	Sequence 30059, A	190	15.2	76.0	535	5	US-10-027-632-79577	Sequence 79577, A
118	15.4	77.0	600	9	US-10-972-079-30060	Sequence 30060, A	191	15.2	76.0	535	6	US-10-027-632-79575	Sequence 79575, A
119	15.4	77.0	600	9	US-10-260-238-4685	Sequence 4685, App	192	15.2	76.0	535	6	US-10-027-632-79576	Sequence 79576, A
120	15.4	77.0	659	7	US-10-260-238-4684	Sequence 4684, App	193	15.2	76.0	535	6	US-10-027-632-79577	Sequence 79577, A
121	15.4	77.0	926	5	US-10-027-632-120066	Sequence 120066, App	194	15.2	76.0	546	4	US-09-925-065A-739685	Sequence 739685, A
122	15.4	77.0	926	5	US-10-027-632-120066	Sequence 120066, App	195	15.2	76.0	546	4	US-10-027-632-16282	Sequence 16282, A
123	15.4	77.0	926	6	US-10-104-047-73	Sequence 73, App1	196	15.2	76.0	556	6	US-10-027-632-16282	Sequence 16282, A
124	15.4	77.0	3352	6	US-10-108-260A-1236	Sequence 1236, App	197	15.2	76.0	577	4	US-09-925-065A-848742	Sequence 848742, A
125	15.4	77.0	4226	5	US-10-087-192-820	Sequence 820, App	198	15.2	76.0	600	9	US-10-972-079-38140	Sequence 38140, A
126	15.4	77.0	150130	5	US-10-006-430-62	Sequence 62, App1	199	15.2	76.0	600	10	US-11-060-756-1500	Sequence 1501, App
127	15.2	76.0	20	5	US-10-956-157-250433	Sequence 250433, A	200	15.2	76.0	600	10	US-11-060-756-5772	Sequence 5772, App
128	15.2	76.0	25	10	US-11-036-317-50918	Sequence 50918, A	201	15.2	76.0	600	10	US-11-060-756-5773	Sequence 5773, App
129	15.2	76.0	25	10	US-11-036-317-404068	Sequence 404068, A	202	15.2	76.0	619	4	US-09-925-065A-600261	Sequence 600261, A
130	15.2	76.0	25	10	US-11-036-317-746431	Sequence 746431, A	203	15.2	76.0	619	4	US-10-006-430-10	Sequence 10, App1
131	15.2	76.0	25	10	US-11-060-756-18141	Sequence 18141, A	204	15.2	76.0	635	5	US-09-925-065A-535462	Sequence 535462, A
132	15.2	76.0	25	10	US-11-060-756-177633	Sequence 177633, A	205	15.2	76.0	635	4	US-09-925-065A-535463	Sequence 535463, A
133	15.2	76.0	257	5	US-09-777-564-1183	Sequence 1183, App	206	15.2	76.0	635	4	US-09-925-065A-535464	Sequence 535464, A
134	15.2	76.0	257	5	US-10-015-219-1183	Sequence 1183, App	207	15.2	76.0	635	4	US-09-925-065A-535464	Sequence 535464, A
135	15.2	76.0	262	8	US-10-425-115-24632	Sequence 24632, A	208	15.2	76.0	641	7	US-10-437-963-52047	Sequence 52047, A
136	15.2	76.0	274	3	US-09-736-457-1024	Sequence 1024, App	209	15.2	76.0	661	4	US-09-925-065A-84776	Sequence 84776, A
137	15.2	76.0	274	3	US-09-736-457-1049	Sequence 1049, App	210	15.2	76.0	661	4	US-09-925-065A-84777	Sequence 84777, A
138	15.2	76.0	274	3	US-09-902-941-1024	Sequence 1024, App	211	15.2	76.0	681	4	US-10-027-632-13319	Sequence 13319, A
139	15.2	76.0	274	3	US-09-902-941-1049	Sequence 1049, App	212	15.2	76.0	688	6	US-10-027-632-13319	Sequence 13319, A
140	15.2	76.0	274	3	US-09-849-626-1024	Sequence 1024, App	213	15.2	76.0	725	5	US-09-925-065A-84063	Sequence 84063, A
141	15.2	76.0	274	3	US-09-849-626-1049	Sequence 1049, App	214	15.2	76.0	791	8	US-10-425-115-162037	Sequence 162037, A
142	15.2	76.0	274	3	US-09-796-692-4978	Sequence 4978, App	215	15.2	76.0	823	7	US-10-424-539-79907	Sequence 79907, A
143	15.2	76.0	274	5	US-10-017-754-1024	Sequence 1024, App	216	15.2	76.0	842	4	US-10-369-493-18207	Sequence 18207, A
144	15.2	76.0	274	5	US-10-017-754-1049	Sequence 1049, App	217	15.2	76.0	843	6	US-10-369-493-18207	Sequence 18207, A
145	15.2	76.0	274	5	US-10-040-862-4978	Sequence 4978, App	218	15.2	76.0	903	6	US-10-369-493-18207	Sequence 18207, A
146	15.2	76.0	274	6	US-10-113-872-1024	Sequence 1024, App	219	15.2	76.0	947	3	US-09-938-842A-4828	Sequence 4828, App
147	15.2	76.0	274	6	US-10-113-872-1049	Sequence 1049, App	220	15.2	76.0	947	3	US-09-938-842A-4828	Sequence 4828, App
148	15.2	76.0	274	6	US-10-283-017-1024	Sequence 1024, App	221	15.2	76.0	947	3	US-10-132-744A-3	Sequence 3, App1
149	15.2	76.0	274	6	US-10-283-017-1049	Sequence 1049, App	222	15.2	76.0	1170	5	US-10-789-378-15	Sequence 15, App1
150	15.2	76.0	274	6	US-10-057-475B-4978	Sequence 4978, App	223	15.2	76.0	1332	6	US-10-789-378-15	Sequence 15, App1
151	15.2	76.0	274	6	US-10-154-884B-4978	Sequence 4978, App	224	15.2	76.0	1374	7	US-10-191-803-728	Sequence 728, App
152	15.2	76.0	274	8	US-10-764-324-4978	Sequence 4978, App	225	15.2	76.0	1400	9	US-10-956-157-4470	Sequence 4470, App
153	15.2	76.0	275	5	US-10-102-524-98	Sequence 98, App1	226	15.2	76.0	1403	3	US-09-925-289-21	Sequence 21, App1
154	15.2	76.0	300	9	US-10-779-543-2673	Sequence 2673, App	227	15.2	76.0	1403	3	US-09-925-289-21	Sequence 21, App1
155	15.2	76.0	311	3	US-09-920-300A-457	Sequence 457, App	228	15.2	76.0	1470	5	US-10-006-430-12	Sequence 12, App1
156	15.2	76.0	311	3	US-10-033-528-457	Sequence 457, App	229	15.2	76.0	1496	3	US-09-969-708-1332	Sequence 133, App
157	15.2	76.0	311	6	US-10-099-926-457	Sequence 457, App	230	15.2	76.0	1496	5	US-10-171-581-120	Sequence 120, App
158	15.2	76.0	311	6	US-10-961-527-457	Sequence 457, App	231	15.2	76.0	1496	5	US-10-006-430-3	Sequence 3, App1
159	15.2	76.0	311	9	US-10-425-115-81398	Sequence 81398, A	232	15.2	76.0	1496	7	US-10-462-039-118	Sequence 118, App
160	15.2	76.0	322	8	US-10-085-783A-11446	Sequence 11446, A	233	15.2	76.0	1496	8	US-10-462-039-118	Sequence 118, App
161	15.2	76.0	343	7	US-10-242-535A-11446	Sequence 11446, A	234	15.2	76.0	1496	9	US-10-843-611A-7603	Sequence 7603, App
162	15.2	76.0	354	10	US-11-097-143-38321	Sequence 38321, A	235	15.2	76.0	1496	9	US-10-956-157-1235	Sequence 1235, App
163	15.2	76.0	391	7	US-10-242-535A-58500	Sequence 58500, A	236	15.2	76.0	1497	6	US-10-369-493-15281	Sequence 35281, A
164	15.2	76.0	391	7	US-10-085-783A-58500	Sequence 58500, A	237	15.2	76.0	1539	5	US-10-369-493-17754	Sequence 37754, A
165	15.2	76.0	454	7	US-10-242-535A-142	Sequence 142, App	238	15.2	76.0	1539	5	US-10-137-032-29	Sequence 29, App1
166	15.2	76.0	454	7	US-10-085-783A-142	Sequence 142, App	239	15.2	76.0	1545	3	US-09-731-872-155	Sequence 155, App
167	15.2	76.0	460	5	US-10-027-632-35243	Sequence 35243, A	240	15.2	76.0	1545	3	US-09-876-997-155	Sequence 155, App
168	15.2	76.0	460	5	US-10-027-632-35244	Sequence 35244, A	241	15.2	76.0	1545	9	US-10-643-836-155	Sequence 155, App
169	15.2	76.0	460	5	US-10-027-632-35244	Sequence 35244, A	242	15.2	76.0	1602	10	US-11-097-143-42626	Sequence 42626, A

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 21:54:48 ; Search time 264.348 Seconds  
(without alignments)  
176.412 Million cell updates/sec

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Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues  
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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Length	ID	Description
1	18.4	92.0	402 12 US-11-108-172-857	Sequence 857, App
2	17	85.0	19 10 US-11-101-244-57914	Sequence 57914, A
3	17	85.0	19 11 US-11-083-784-57914	Sequence 57914, A
4	16.8	84.0	200628 12 US-11-121-086-62	Sequence 62, App1
5	16.4	82.0	771 8 US-10-821-234-548	Sequence 548, App
6	16.4	82.0	2011 8 US-10-750-185-32890	Sequence 32890, A
7	16.4	82.0	2011 8 US-10-750-623-32890	Sequence 32890, A
8	16	80.0	1400 12 US-11-136-527-7537	Sequence 7537, App
9	16	80.0	1813 12 US-11-136-527-7537	Sequence 7537, App
10	15.8	79.0	201 6 US-10-995-561-82601	Sequence 82601, A
11	15.8	79.0	1471 6 US-09-925-065A-71433	Sequence 71433, A
12	15.8	79.0	2257 12 US-11-110-082-13	Sequence 13, App1
13	15.8	79.0	2257 12 US-11-072-512-1149	Sequence 1149, App
14	15.8	79.0	3046 9 US-10-750-185-59914	Sequence 59914, A
15	15.8	79.0	4215 8 US-10-750-623-59914	Sequence 59914, A
16	15.8	79.0	4215 8 US-10-750-623-59914	Sequence 59914, A
17	15.8	79.0	36360 8 US-10-995-561-13498	Sequence 13498, A
18	15.8	79.0	241805 8 US-10-995-561-13215	Sequence 13215, A
19	15.4	77.0	19 10 US-11-101-244-1173217	Sequence 1173217, A
20	15.4	77.0	19 11 US-11-083-784-1173217	Sequence 1173217, A

C 21	15.4	77.0	575 6 US-09-925-065A-837536	Sequence 837536, A
C 22	15.4	77.0	1830 8 US-10-750-185-28384	Sequence 28384, A
C 23	15.4	77.0	1830 8 US-10-750-623-28384	Sequence 28384, A
C 24	15.4	77.0	3352 9 US-11-072-512-73	Sequence 73, App1
C 25	15.2	76.0	23 8 US-10-310-914A-98359	Sequence 98359, A
C 26	15.2	76.0	474 6 US-09-925-065A-845879	Sequence 845879, A
C 27	15.2	76.0	474 6 US-09-925-065A-845879	Sequence 845879, A
C 28	15.2	76.0	489 6 US-09-925-065A-387019	Sequence 387019, A
C 29	15.2	76.0	489 6 US-09-925-065A-387020	Sequence 387020, A
C 30	15.2	76.0	498 6 US-09-925-065A-136388	Sequence 136388, A
C 31	15.2	76.0	498 6 US-09-925-065A-136389	Sequence 136389, A
C 32	15.2	76.0	507 6 US-09-925-065A-425074	Sequence 425074, A
C 33	15.2	76.0	546 6 US-09-925-065A-739685	Sequence 739685, A
C 34	15.2	76.0	577 6 US-09-925-065A-848742	Sequence 848742, A
C 35	15.2	76.0	598 8 US-10-750-185-3999	Sequence 3999, App
C 36	15.2	76.0	598 8 US-10-750-623-3999	Sequence 3999, App
C 37	15.2	76.0	619 6 US-09-925-065A-600261	Sequence 600261, A
C 38	15.2	76.0	635 6 US-09-925-065A-535463	Sequence 535463, A
C 39	15.2	76.0	635 6 US-09-925-065A-535464	Sequence 535464, A
C 40	15.2	76.0	635 6 US-09-925-065A-535464	Sequence 535464, A
C 41	15.2	76.0	661 6 US-09-925-065A-84776	Sequence 84776, A
C 42	15.2	76.0	661 6 US-09-925-065A-84777	Sequence 84777, A
C 43	15.2	76.0	725 6 US-09-925-065A-84063	Sequence 84063, A
C 44	15.2	76.0	842 6 US-09-925-065A-725768	Sequence 725768, A
C 45	15.2	76.0	1089 12 US-11-120-351A-2	Sequence 2, App1
C 46	15.2	76.0	1722 8 US-10-966-501-87	Sequence 87, App1
C 47	15.2	76.0	1920 12 US-11-120-351A-1	Sequence 1, App1
C 48	15.2	76.0	7176 7 US-10-501-035-181	Sequence 181, App1
C 49	15.2	76.0	11447 12 US-11-186-284-25	Sequence 25, App1
C 50	15.2	76.0	11554 12 US-11-169-041-34	Sequence 34, App1
C 51	15.2	76.0	254481 7 US-10-330-773-111	Sequence 111, App
C 52	15	75.0	204 8 US-10-467-657-1125	Sequence 1125, App
C 53	15	75.0	294 8 US-10-467-657-3383	Sequence 3383, App
C 54	15	75.0	321 8 US-10-467-657-3369	Sequence 3369, App
C 55	15	75.0	1811 8 US-10-750-185-54744	Sequence 54744, A
C 56	15	75.0	1811 8 US-10-750-623-44744	Sequence 44744, A
C 57	14.8	74.0	270 7 US-10-932-182A-6190	Sequence 6190, App
C 58	14.8	74.0	270 7 US-10-932-182A-6190	Sequence 6190, App
C 59	14.8	74.0	419 9 US-09-925-065A-166443	Sequence 166443, App
C 60	14.8	74.0	520 6 US-09-925-065A-484956	Sequence 484956, A
C 61	14.8	74.0	536 6 US-09-925-065A-484956	Sequence 484956, A
C 62	14.8	74.0	539 6 US-09-925-065A-851406	Sequence 851406, A
C 63	14.8	74.0	542 6 US-09-925-065A-483948	Sequence 483948, A
C 64	14.8	74.0	542 6 US-09-925-065A-483949	Sequence 483949, A
C 65	14.8	74.0	570 6 US-09-925-065A-484072	Sequence 484072, A
C 66	14.8	74.0	570 6 US-09-925-065A-484073	Sequence 484073, A
C 67	14.8	74.0	581 6 US-09-925-065A-448464	Sequence 448464, A
C 68	14.8	74.0	586 6 US-09-925-065A-936044	Sequence 936044, A
C 69	14.8	74.0	603 6 US-09-925-065A-435160	Sequence 435160, A
C 70	14.8	74.0	606 6 US-09-925-065A-378848	Sequence 378848, A
C 71	14.8	74.0	619 6 US-09-925-065A-404810	Sequence 404810, A
C 72	14.8	74.0	619 6 US-09-925-065A-929562	Sequence 929562, A
C 73	14.8	74.0	620 6 US-09-925-065A-913020	Sequence 913020, A
C 74	14.8	74.0	641 6 US-09-925-065A-913434	Sequence 913434, A
C 75	14.8	74.0	641 6 US-09-925-065A-913435	Sequence 913435, A
C 76	14.8	74.0	819 8 US-10-467-657-6253	Sequence 6253, App
C 77	14.8	74.0	846 8 US-10-467-657-6251	Sequence 6251, App
C 78	14.8	74.0	901 8 US-10-750-185-59701	Sequence 59701, A
C 79	14.8	74.0	901 8 US-10-750-623-39701	Sequence 39701, A
C 80	14.8	74.0	1299 6 US-09-925-065A-829638	Sequence 829638, A
C 81	14.8	74.0	1370 8 US-10-750-185-62966	Sequence 62966, A
C 82	14.8	74.0	1370 8 US-10-750-623-62966	Sequence 62966, A
C 83	14.8	74.0	1408 8 US-10-750-185-66555	Sequence 26655, A
C 84	14.8	74.0	1408 8 US-10-750-623-66555	Sequence 26655, A
C 85	14.8	74.0	1548 7 US-10-932-182A-2525	Sequence 2525, App
C 86	14.8	74.0	1548 7 US-10-932-182A-2525	Sequence 2525, App
C 87	14.8	74.0	1560 6 US-09-925-065A-721788	Sequence 721788, App
C 88	14.8	74.0	1596 8 US-10-750-185-37186	Sequence 37186, A
C 89	14.8	74.0	1596 8 US-10-750-623-37186	Sequence 37186, A
C 90	14.8	74.0	1624 8 US-10-750-185-38482	Sequence 38482, A
C 91	14.8	74.0	1624 8 US-10-750-623-38482	Sequence 38482, A
C 92	14.8	74.0	1695 8 US-10-750-185-43295	Sequence 43295, A
C 93	14.8	74.0	1695 8 US-10-750-623-43295	Sequence 43295, A

C 94	14.8	74.0	1747	8	US-10-750-185-32151	Sequence 32151, A	167	14.4	72.0	1701	8	US-10-750-185-48569	Sequence 48569, A
C 95	14.8	74.0	1747	8	US-10-750-623-32151	Sequence 32151, A	168	14.4	72.0	1701	8	US-10-750-623-48569	Sequence 48569, A
C 96	14.8	74.0	1755	8	US-10-750-185-25200	Sequence 25200, A	169	14.4	72.0	1742	8	US-10-750-185-29091	Sequence 29091, A
C 97	14.8	74.0	1755	8	US-10-750-623-25200	Sequence 25200, A	170	14.4	72.0	1742	8	US-10-750-623-29091	Sequence 29091, A
C 98	14.8	74.0	1756	8	US-10-750-185-64430	Sequence 64430, A	171	14.4	72.0	1982	8	US-10-750-185-26704	Sequence 26704, A
C 99	14.8	74.0	1756	8	US-10-750-623-64430	Sequence 64430, A	172	14.4	72.0	1982	8	US-10-750-623-26704	Sequence 26704, A
C 100	14.8	74.0	1836	8	US-10-750-185-60802	Sequence 60802, A	173	14.4	72.0	2084	8	US-10-750-185-36734	Sequence 36734, A
C 101	14.8	74.0	1836	8	US-10-750-623-60802	Sequence 60802, A	174	14.4	72.0	2084	8	US-10-750-623-36734	Sequence 36734, A
C 102	14.8	74.0	1843	9	US-11-096-568A-18942	Sequence 18942, A	175	14.4	72.0	2121	8	US-10-750-185-53288	Sequence 53288, A
C 103	14.8	74.0	1854	8	US-10-750-185-61636	Sequence 61636, A	176	14.4	72.0	2121	8	US-10-750-623-53288	Sequence 53288, A
C 104	14.8	74.0	1854	8	US-10-750-623-61636	Sequence 61636, A	177	14.4	72.0	2141	8	US-10-750-185-36931	Sequence 36931, A
C 105	14.8	74.0	1872	8	US-10-467-657-1739	Sequence 1739, Ap	178	14.4	72.0	2141	8	US-10-750-623-46931	Sequence 46931, A
C 106	14.8	74.0	2236	9	US-11-072-512-663	Sequence 50627, A	179	14.4	72.0	2381	8	US-10-750-185-43961	Sequence 43961, A
C 107	14.8	74.0	3457	8	US-10-750-185-50627	Sequence 50627, A	180	14.4	72.0	2381	8	US-10-750-623-43961	Sequence 43961, A
C 108	14.8	74.0	3457	8	US-10-750-623-50627	Sequence 2844, A	181	14.4	72.0	2429	8	US-10-750-185-32626	Sequence 32626, A
C 109	14.8	74.0	4051	12	US-11-136-527-2844	Sequence 3309, Ap	182	14.4	72.0	2429	8	US-10-750-623-32626	Sequence 32626, A
C 110	14.8	74.0	4665	12	US-11-136-527-3309	Sequence 577, Ap	183	14.4	72.0	2457	8	US-10-750-185-36157	Sequence 36157, A
C 111	14.8	74.0	4758	7	US-10-330-773-577	Sequence 574, App	184	14.4	72.0	2535	8	US-10-750-623-36157	Sequence 36157, A
C 112	14.8	74.0	7000	7	US-10-330-773-574	Sequence 2837, Ap	185	14.4	72.0	2535	8	US-10-750-185-52996	Sequence 52996, A
C 113	14.8	74.0	10259	12	US-11-136-527-2837	Sequence 5, Appl	186	14.4	72.0	2535	8	US-10-750-623-52996	Sequence 52996, A
C 114	14.8	74.0	86950	8	US-10-957-780-5	Sequence 573, App	187	14.4	72.0	2861	8	US-10-750-185-57413	Sequence 57413, A
C 115	14.8	74.0	90616	7	US-10-330-773-573	Sequence 573, App	188	14.4	72.0	2861	8	US-10-750-623-57413	Sequence 57413, A
C 116	14.8	74.0	106130	7	US-10-330-773-576	Sequence 576, App	189	14.4	72.0	3148	8	US-10-750-185-42213	Sequence 42213, A
C 117	14.8	74.0	127722	7	US-10-330-773-278	Sequence 278, App	190	14.4	72.0	3148	8	US-10-750-623-42213	Sequence 42213, A
C 118	14.8	74.0	150038	12	US-11-121-086-23	Sequence 23, Appl	191	14.4	72.0	3223	8	US-10-750-185-46677	Sequence 46677, A
C 119	14.8	74.0	176760	12	US-11-121-086-51	Sequence 51, Appl	192	14.4	72.0	3223	8	US-10-750-623-46677	Sequence 46677, A
C 120	14.4	72.0	350	12	US-11-128-061-3567	Sequence 3567, Ap	193	14.4	72.0	3507	8	US-10-750-185-32056	Sequence 32056, A
C 121	14.4	72.0	350	12	US-11-128-061-7209	Sequence 7209, Ap	194	14.4	72.0	3507	8	US-10-750-623-32056	Sequence 32056, A
C 122	14.4	72.0	350	12	US-11-128-049-3567	Sequence 3567, Ap	195	14.4	72.0	3543	8	US-10-750-185-53670	Sequence 53670, A
C 123	14.4	72.0	350	12	US-11-128-049-3567	Sequence 7209, Ap	196	14.4	72.0	3543	8	US-10-750-623-53670	Sequence 53670, A
C 124	14.4	72.0	386	6	US-09-925-065A-171911	Sequence 171911, Ap	197	14.4	72.0	4841	8	US-10-750-185-53007	Sequence 53007, A
C 125	14.4	72.0	387	6	US-09-925-065A-656309	Sequence 55389, A	198	14.4	72.0	4841	8	US-10-750-623-53007	Sequence 53007, A
C 126	14.4	72.0	507	6	US-09-925-065A-533489	Sequence 533489, A	199	14.4	72.0	5326	8	US-10-750-185-53007	Sequence 53007, A
C 127	14.4	72.0	507	6	US-09-925-065A-533489	Sequence 533489, A	200	14.4	72.0	5326	8	US-10-750-623-53007	Sequence 53007, A
C 128	14.4	72.0	582	6	US-09-925-065A-439092	Sequence 439092, A	201	14.4	72.0	5326	8	US-10-750-623-53482	Sequence 53482, A
C 129	14.4	72.0	607	6	US-09-925-065A-478416	Sequence 478416, A	202	14.4	72.0	134499	12	US-11-117-187-192	Sequence 192, App
C 130	14.4	72.0	607	6	US-09-925-065A-478417	Sequence 478417, A	203	14.4	72.0	134499	12	US-11-117-187-192	Sequence 192, App
C 131	14.4	72.0	607	6	US-09-925-065A-478417	Sequence 478418, A	204	14.4	72.0	186447	12	US-11-121-086-104	Sequence 104, App
C 132	14.4	72.0	683	8	US-10-750-185-44062	Sequence 44062, A	205	14.4	72.0	186447	12	US-11-121-086-104	Sequence 104, App
C 133	14.4	72.0	683	8	US-10-750-623-44062	Sequence 44062, A	206	14.2	71.0	24	8	US-10-310-914A-1001818	Sequence 1001818, A
C 134	14.4	72.0	684	8	US-10-750-185-43498	Sequence 43498, A	207	14.2	71.0	25	8	US-10-775-169-4526	Sequence 4526, Ap
C 135	14.4	72.0	684	8	US-10-750-623-43498	Sequence 43498, A	208	14.2	71.0	25	12	US-11-136-527-68685	Sequence 68685, A
C 136	14.4	72.0	716	6	US-09-925-065A-81438	Sequence 81438, A	209	14.2	71.0	25	12	US-11-136-527-68685	Sequence 68685, A
C 137	14.4	72.0	716	6	US-09-925-065A-81439	Sequence 81439, A	210	14.2	71.0	25	12	US-11-136-527-267230	Sequence 267230, A
C 138	14.4	72.0	716	6	US-09-925-065A-81440	Sequence 81440, A	211	14.2	71.0	200	12	US-11-098-686-982	Sequence 982, App
C 139	14.4	72.0	849	8	US-10-750-185-32388	Sequence 32388, A	212	14.2	71.0	289	6	US-09-925-065A-238920	Sequence 238920, A
C 140	14.4	72.0	849	8	US-10-750-623-32388	Sequence 32388, A	213	14.2	71.0	315	6	US-09-925-065A-501609	Sequence 501609, A
C 141	14.4	72.0	849	8	US-10-750-623-32388	Sequence 32388, A	214	14.2	71.0	315	6	US-09-925-065A-223354	Sequence 223354, A
C 142	14.4	72.0	977	8	US-10-750-185-54435	Sequence 54435, A	215	14.2	71.0	442	12	US-11-128-061-3129	Sequence 3129, Ap
C 143	14.4	72.0	977	8	US-10-750-623-54435	Sequence 54435, A	216	14.2	71.0	442	12	US-11-128-061-6771	Sequence 6771, Ap
C 144	14.4	72.0	1112	8	US-10-750-185-47952	Sequence 47952, A	217	14.2	71.0	442	12	US-11-128-049-3129	Sequence 3129, Ap
C 145	14.4	72.0	1112	8	US-10-750-623-47952	Sequence 47952, A	218	14.2	71.0	442	12	US-11-128-049-3129	Sequence 3129, Ap
C 146	14.4	72.0	1118	6	US-09-925-065A-76268	Sequence 76268, A	219	14.2	71.0	467	6	US-09-925-065A-799368	Sequence 799368, A
C 147	14.4	72.0	1160	8	US-10-750-185-28236	Sequence 28236, A	220	14.2	71.0	467	6	US-09-925-065A-853394	Sequence 853394, A
C 148	14.4	72.0	1160	8	US-10-750-623-28236	Sequence 28236, A	221	14.2	71.0	469	6	US-09-925-065A-265437	Sequence 265437, A
C 149	14.4	72.0	1215	8	US-10-750-185-25138	Sequence 25138, A	222	14.2	71.0	469	6	US-09-925-065A-265437	Sequence 265437, A
C 150	14.4	72.0	1239	9	US-11-096-568A-1312	Sequence 1312, Ap	223	14.2	71.0	469	6	US-09-925-065A-265438	Sequence 265438, A
C 151	14.4	72.0	1269	8	US-10-750-185-26929	Sequence 26929, A	224	14.2	71.0	474	7	US-10-932-182A-75760	Sequence 75760, A
C 152	14.4	72.0	1269	8	US-10-750-623-26929	Sequence 26929, A	225	14.2	71.0	474	7	US-10-932-182A-75760	Sequence 75760, A
C 153	14.4	72.0	1452	8	US-10-750-185-53984	Sequence 53984, A	226	14.2	71.0	486	6	US-09-925-065A-408558	Sequence 408558, A
C 154	14.4	72.0	1452	8	US-10-750-623-53984	Sequence 53984, A	227	14.2	71.0	486	6	US-09-925-065A-414525	Sequence 414525, A
C 155	14.4	72.0	1470	8	US-10-750-185-28555	Sequence 28555, A	228	14.2	71.0	486	6	US-09-925-065A-414525	Sequence 414525, A
C 156	14.4	72.0	1470	8	US-10-750-623-28555	Sequence 28555, A	229	14.2	71.0	488	6	US-09-925-065A-784633	Sequence 784633, A
C 157	14.4	72.0	1489	8	US-10-750-185-26565	Sequence 26565, A	230	14.2	71.0	488	6	US-09-925-065A-844496	Sequence 844496, A
C 158	14.4	72.0	1489	8	US-10-750-623-26565	Sequence 26565, A	231	14.2	71.0	489	6	US-09-925-065A-16515	Sequence 16515, A
C 159	14.4	72.0	1507	8	US-10-750-185-25922	Sequence 25922, A	232	14.2	71.0	505	9	US-11-021-492-15	Sequence 15, Appl
C 160	14.4	72.0	1507	8	US-10-750-623-25922	Sequence 25922, A	233	14.2	71.0	509	6	US-09-925-065A-164841	Sequence 164841, A
C 161	14.4	72.0	1554	8	US-10-750-185-31933	Sequence 31933, A	234	14.2	71.0	509	6	US-09-925-065A-164841	Sequence 164841, A
C 162	14.4	72.0	1554	8	US-10-750-623-31933	Sequence 31933, A	235	14.2	71.0	521	6	US-09-925-065A-328442	Sequence 328442, A
C 163	14.4	72.0	1560	8	US-10-750-185-34917	Sequence 34917, A	236	14.2	71.0	526	6	US-09-925-065A-761437	Sequence 761437, A
C 164	14.4	72.0	1560	8	US-10-750-623-34917	Sequence 34917, A	237	14.2	71.0	526	6	US-09-925-065A-829942	Sequence 829942, A
C 165	14.4	72.0	1602	8	US-10-750-185-54416	Sequence 54416, A	238	14.2	71.0	529	6	US-09-925-065A-571428	Sequence 571428, A
C 166	14.4	72.0	1602	8	US-10-750-623-54416	Sequence 54416, A	239	14.2	71.0	529	6	US-09-925-065A-761889	Sequence 761889, A

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:19:45 ; Search time 1138.7 Seconds  
(without alignments)  
1497.594 Million cell updates/sec

Title: US-10-625-124-14

Perfect score: 30

Sequence: 1 tgcgtcgtcatctgtctgagcagagta 30

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

GenEmbl: \*  
1: gb\_ba: \*  
2: gb\_in: \*  
3: gb\_env: \*  
4: gb\_om: \*  
5: gb\_ov: \*  
6: gb\_pat: \*  
7: gb\_ph: \*  
8: gb\_pr: \*  
9: gb\_ro: \*  
10: gb\_sts: \*  
11: gb\_sy: \*  
12: gb\_un: \*  
13: gb\_vi: \*  
14: gb\_vlg: \*  
15: gb\_pl: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	364	6	BD024016 Sequence
2	30	100.0	364	6	AX884406 Sequence
3	30	100.0	1253	6	AX780260 Sequence
4	30	100.0	2011	8	BC012099 Homo sapi
5	30	100.0	2016	8	HSU03274 Homo sapi
6	30	100.0	12990	8	HSBTDS82 Homo sapi
7	30	100.0	147123	14	AC027030 Homo sapi
8	30	100.0	192031	8	AC027129 Homo sapi
9	30	100.0	199288	8	AC090950 Homo sapi
10	24.2	80.7	1914	9	BC024051 Mus muscu
11	24.2	80.7	158760	9	AC120375 Mus muscu
12	24.2	80.7	216410	9	AC109509 Mus muscu
13	23.2	77.3	1999	9	BC090017 Rattus no
14	23.2	77.3	233094	14	AC134131 Rattus no
15	22	73.3	125055	8	HS167F1 Human DNA
16	22	73.3	146877	14	AC026487 Homo sapi
17	22	73.3	175696	14	AC165317 Mus muscu
18	22	73.3	202768	14	AC092345 Homo sapi

19	22	73.3	207051	14	AC110030 Mus muscu
20	22	73.3	207846	9	AC133645 Mus muscu
21	22	73.3	215962	8	AC010615 Homo sapi
22	21.8	72.7	143212	5	BX682238 Zebrafish
23	21.6	72.0	65063	9	AC159091 Mus muscu
24	21.6	72.0	208078	14	AC107258 Rattus no
25	21.6	72.0	221040	14	AC097439 Rattus no
26	21.2	70.7	148548	5	AC146874 Xenopus t
27	21.2	70.7	158230	8	AC092366 Homo sapi
28	21.2	70.7	173358	8	AC008873 Homo sapi
29	21.2	70.7	177797	14	AC016581 Homo sapi
30	21.2	70.7	186985	9	AC154307 Mus muscu
31	21	70.0	56693	14	AC104379 Homo sapi
32	21	70.0	129332	8	AL590028 Human DNA
33	21	70.0	160708	14	AC068406 Homo sapi
34	21	70.0	161486	14	AL590008 Homo sapi
35	21	70.0	163603	14	AC026755 Homo sapi
36	21	70.0	170668	8	AC104012 Homo sapi
37	20.8	69.3	153673	5	CR388093 Zebrafish
38	20.8	69.3	157148	14	CR376832 Dario rer
39	20.8	69.3	246115	14	AC157837 Otolenur
40	20.6	68.7	83373	5	BX284635 Zebrafish
41	20.6	68.7	92969	8	HSJ806M20 Human DNA
42	20.6	68.7	126586	8	HSJ806M20 Human DNA
43	20.6	68.7	130753	4	AC148202 Carolina
44	20.6	68.7	145382	9	AL928925 Mouse DNA
45	20.6	68.7	150377	14	AC093405 Lemur cat
46	20.6	68.7	153856	14	AC150487 Bos tauru
47	20.6	68.7	157229	5	AC144709 Dario rer
48	20.6	68.7	161797	8	AP005209 Homo sapi
49	20.6	68.7	173657	14	AP001014 Homo sapi
50	20.6	68.7	174409	14	AC010788 Homo sapi
51	20.6	68.7	177223	8	AC009890 Genomic S
52	20.6	68.7	179786	14	AP001015 Homo sapi
53	20.6	68.7	180809	9	AC117698 Mus muscu
54	20.6	68.7	185723	14	AC119118 Zebrafish
55	20.6	68.7	188940	5	BX572622 Zebrafish
56	20.6	68.7	206930	9	AC113533 Mus muscu
57	20.6	68.7	232085	14	AC096382 Rattus no
58	20.6	68.7	252009	14	AC119318 Rattus no
59	20.6	68.7	256049	14	AC098046 Rattus no
60	20.6	68.7	283369	14	BX842563 Mus muscu
61	20.6	68.0	77001	8	AL513013 Human DNA
62	20.4	68.0	80662	8	AL645929 Human DNA
63	20.4	68.0	89690	5	AC140936 Gallus ga
64	20.4	68.0	110000	8	BA000041_15 Continuation (16 o
65	20.4	68.0	110000	8	BA000041_16 Continuation (17 o
66	20.4	68.0	151059	8	AC092997 Homo sapi
67	20.4	68.0	153264	14	AC135216 Bos tauru
68	20.4	68.0	173251	9	AL672254 Mouse DNA
69	20.4	68.0	174024	14	AC021143 Homo sapi
70	20.4	68.0	174483	8	AP003124 Homo sapi
71	20.4	68.0	177882	8	AP000722 Homo sapi
72	20.4	68.0	199027	14	AC026611 Homo sapi
73	20.4	68.0	216346	14	AC125736 Rattus no
74	20.4	68.0	216447	14	AC133122 Rattus no
75	20.4	68.0	229563	14	AC095279 Rattus no
76	20.4	68.0	245828	14	AC098403 Rattus no
77	20.4	67.3	626	10	BV163950 Rattus no
78	20.2	67.3	16888	8	AC004173 Homo sapi
79	20.2	67.3	51649	8	BX927182 Human DNA
80	20.2	67.3	64330	14	AC100926 Mus muscu
81	20.2	67.3	86854	8	CR788234 Human DNA
82	20.2	67.3	88412	8	CR789769 Human DNA
83	20.2	67.3	89756	6	CO870162 Sequence
84	20.2	67.3	108566	8	BA000025_21 Continuation (22 o
85	20.2	67.3	110000	8	BA000041_16 Continuation (17 o
86	20.2	67.3	112545	8	CR925767 Human DNA
87	20.2	67.3	114450	8	AB023058 Homo sapi
88	20.2	67.3	115133	8	AL669813 Human DNA
89	20.2	67.3	115133	8	AL669813 Human DNA
90	20.2	67.3	115133	8	AL669813 Human DNA
91	20.2	67.3	115133	8	AL669813 Human DNA

C 92	20.2	67.3	119030	8	AL644851	165	19.4	64.7	385	1	ECOMELOP	K01490 E.coli mel
C 93	20.2	67.3	123768	8	AL645939	166	19.4	64.7	526	4	AP241929	AF241829 Ovis arie
C 94	20.2	67.3	130934	8	BX005428	167	19.4	64.7	570	10	BY380655	BY380655 S245P6175
C 95	20.2	67.3	148834	8	HS377H14	168	19.4	64.7	807	6	CQ743686	CQ743686 Sequence
C 96	20.2	67.3	156295	5	BX000703	169	19.4	64.7	876	6	CQ722999	CQ722999 Sequence
C 97	20.2	67.3	165740	9	AC122473	170	19.4	64.7	1835	1	ECMEIA	X04894 E. coli mel
C 98	20.2	67.3	178419	14	CR937219	171	19.4	64.7	11491	1	AE011584	.X04894 E. coli mel
C 99	20.2	67.3	181487	14	AC074040	172	19.4	64.7	49306	8	AC022237	X04894 E. coli mel
C 100	20.2	67.3	183322	9	AC112590	173	19.4	64.7	52809	14	AC100034	AC022227 Homo sapi
C 101	20.2	67.3	183906	9	AC124703	174	19.4	64.7	53838	8	AC105918	AC100034 Mus muscu
C 102	20.2	67.3	193317	14	AC148364	175	19.4	64.7	58408	1	AE017800_3	AC105918 Homo sapi
C 103	20.2	67.3	218688	9	AC132452	176	19.4	64.7	63621	8	AL590867	AC105918 Homo sapi
C 104	20.2	67.3	238483	14	AC132177	177	19.4	64.7	81463	14	AC166919	AL590867 Homo DNA
C 105	20.2	67.3	255476	14	AC113674	178	19.4	64.7	86514	8	AL136117	AC166919 Bos tauru
C 106	20.2	67.3	271704	14	AC111375	179	19.4	64.7	93778	8	AC016939	AL136117 Homo sapi
C 107	20.2	67.3	296706	14	CR759751	180	19.4	64.7	93822	9	AL929537	AC016939 Homo sapi
C 108	20.2	67.3	319486	6	AF055066	181	19.4	64.7	109027	9	AL732566	AL929537 Mus muscu
C 109	20.2	67.3	349980	6	CS039414	182	19.4	64.7	110000	1	AE005174_52	AL732566 Homo sapi
C 110	20	66.7	64809	9	AC133425	183	19.4	64.7	110000	1	AE005674_42	AE005174_52 Continuation (53 o
C 111	20	66.7	110000	9	AE014179_1	184	19.4	64.7	110000	1	U00096_43	AE005674_42 Continuation (44 o
C 112	20	66.7	152958	14	AC147457	185	19.4	64.7	110000	1	BA000007_51	U00096_43 Continuation (52 o
C 113	20	66.7	157572	14	AC127981	186	19.4	64.7	110000	14	AC020884_1	BA000007_51 Continuation (12 o
C 114	20	66.7	161841	9	AC158353	187	19.4	64.7	110000	14	AL359455_4	AC020884_1 Continuation (42 o
C 115	20	66.7	178105	8	AC073057	188	19.4	64.7	110000	14	AC073157_1	AL359455_4 Continuation (5 o
C 116	20	66.7	192264	9	AC113060	189	19.4	64.7	110015	15	AP008208_011	AC073157_1 Continuation (12 o
C 117	20	66.7	196443	9	AC138671	190	19.4	64.7	115967	8	AC002112	AP008208_011 Continuation (12 o
C 118	20	66.7	196487	14	AC149092	191	19.4	64.7	119874	8	AL590096	AC002112 Genomic s
C 119	20	66.7	197574	9	AC118704	192	19.4	64.7	124578	15	AP004078	AL590096 Homo DNA
C 120	20	66.7	219714	14	AC096601	193	19.4	64.7	124578	15	AP004078	AC133124 Homo sapi
C 121	20	66.7	224063	14	AC148955	194	19.4	64.7	131999	8	AC026723	AP004078 Homo sapi
C 122	20	66.7	234778	9	AC115778	195	19.4	64.7	133699	14	AC102359	AC026723 Homo sapi
C 123	20	66.7	240690	14	AC123128	196	19.4	64.7	133699	14	AC102359	AC149615 Macropus
C 124	20	66.7	240743	14	AC103568	197	19.4	64.7	134286	8	AC025771	AC149615 Homo sapi
C 125	20	66.7	258549	14	AC133113	198	19.4	64.7	141444	8	AP005015	AC141275 Homo sapi
C 126	20	66.7	271489	14	AC119369	199	19.4	64.7	148066	9	AP006528	AC141275 Homo sapi
C 127	19.8	66.0	130795	8	AC034299	200	19.4	64.7	150462	15	AP004885	AC084769 Homo sapi
C 128	19.8	66.0	152098	14	AC019032	201	19.4	64.7	150462	15	AP004885	AL135548 Homo sapi
C 129	19.8	66.0	165860	14	BX927343	202	19.4	64.7	155216	14	AC141275	AL135548 Homo sapi
C 130	19.8	66.0	201274	14	AC129335	203	19.4	64.7	155216	14	AC141275	AC141275 Homo sapi
C 131	19.8	66.0	218059	14	AC153031	204	19.4	64.7	157367	14	AC084769	AC141275 Homo sapi
C 132	19.8	66.0	232322	14	AC164020	205	19.4	64.7	164271	14	AL137788	AC084769 Homo sapi
C 133	19.6	65.3	1790	5	BC074370	206	19.4	64.7	164271	14	AL137788	AL137788 Homo sapi
C 134	19.6	65.3	43475	8	CQ086819	207	19.4	64.7	167125	9	AC154783	AL137788 Homo sapi
C 135	19.6	65.3	61923	8	AC108139	208	19.4	64.7	167125	9	AC154783	AC154783 Homo sapi
C 136	19.6	65.3	86571	5	AC151463	209	19.4	64.7	170272	8	AC069227	AC154783 Homo sapi
C 137	19.6	65.3	98151	8	AL1359543	210	19.4	64.7	170272	8	AC069227	AC069227 Homo sapi
C 138	19.6	65.3	142638	14	AC15106	211	19.4	64.7	170272	8	AC107890	AC069227 Homo sapi
C 139	19.6	65.3	155150	8	AC015542	212	19.4	64.7	171468	8	AC007394	AC107890 Homo sapi
C 140	19.6	65.3	155661	8	HS399M14	213	19.4	64.7	171468	8	AC007394	AF040477 Homo sapi
C 141	19.6	65.3	163542	8	AL158206	214	19.4	64.7	171468	8	AL954354	AF040477 Homo sapi
C 142	19.6	65.3	164655	14	AC080134	215	19.4	64.7	171468	8	AL954354	AC007394 Homo sapi
C 143	19.6	65.3	177578	14	AC018855	216	19.4	64.7	171468	8	AL954354	AL954354 Homo sapi
C 144	19.6	65.3	184558	9	AL583893	217	19.4	64.7	176391	9	AC154318	AL137019 Homo sapi
C 145	19.6	65.3	186224	5	AC105901	218	19.4	64.7	176391	9	AC154318	AL137019 Homo sapi
C 146	19.6	65.3	196155	8	BX247882	219	19.4	64.7	176391	9	AC154318	AL137019 Homo sapi
C 147	19.6	65.3	197126	14	AC164398	220	19.4	64.7	176391	9	AC154318	AL137019 Homo sapi
C 148	19.6	65.3	198089	14	AC157345	221	19.4	64.7	176391	9	AC154318	AC164398 Homo sapi
C 149	19.6	65.3	199239	14	AC093370	222	19.4	64.7	176391	9	AC154318	AC157345 Bos tauru
C 150	19.6	65.3	205227	9	AC107739	223	19.4	64.7	176391	9	AC154318	AC093370 Mus muscu
C 151	19.6	65.3	208764	14	AC095320	224	19.4	64.7	176391	9	AC154318	AC107739 Mus muscu
C 152	19.6	65.3	209782	9	AL603965	225	19.4	64.7	176391	9	AC154318	AC095320 Rattus no
C 153	19.6	65.3	217281	9	AC087867	226	19.4	64.7	176391	9	AC154318	AL603965 Mouse DNA
C 154	19.6	65.3	218398	14	AC126960	227	19.4	64.7	176391	9	AC154318	AC087867 Genomic s
C 155	19.6	65.3	218679	14	AC092434	228	19.4	64.7	176391	9	AC154318	AC126960 Rattus no
C 156	19.6	65.3	219679	14	AC109451	229	19.4	64.7	176391	9	AC154318	AC092434 Homo sapi
C 157	19.6	65.3	22181	14	AC131395	230	19.4	64.7	176391	9	AC154318	AC109451 Homo sapi
C 158	19.6	65.3	222090	14	AC098952	231	19.4	64.7	176391	9	AC154318	AC131395 Rattus no
C 159	19.6	65.3	223038	5	BX530069	232	19.4	64.7	176391	9	AC154318	AC098952 Rattus no
C 160	19.6	65.3	230375	14	BX908759	233	19.4	64.7	176391	9	AC154318	BX530069 Zebrafish
C 161	19.6	65.3	231750	14	AC097971	234	19.4	64.7	176391	9	AC154318	BX908759 Dantio rer
C 162	19.6	65.3	237828	9	AL772371	235	19.4	64.7	176391	9	AC154318	AC097971 Rattus no
C 163	19.6	65.3	244818	14	AC112883	236	19.4	64.7	176391	9	AC154318	AL772371 Mouse DNA
C 164	19.6	65.3	345200	14	AC156056	237	19.4	64.7	176391	9	AC154318	AC112883 Rattus no





93	18.8	62.7	2992	10	ADJ38423	Human	CDN	C	166	18.4	61.3	110000	14	AEA61120	0	Aae61120	Human	Ig
94	18.8	62.7	2994	10	ADB62618	Human	CDN	C	167	18.4	61.3	200000	12	ADO47192	-	Ado47192	Human	segu
95	18.8	62.7	2997	6	ABSS59323	Human	ztn	C	168	18.4	61.3	218155	11	ACNA44114	-	Acna44114	Human	ge
96	18.8	62.7	2997	10	ADJ38419	Human	CDN	C	169	18.2	60.7	7771	4	ABJ25641	4	Abj25641	Drosoph	hl
97	18.8	62.7	3187	13	ADSG97785	Human	CDN	C	170	18.2	60.7	2826	4	ABJ25640	4	Abj25640	Drosoph	hl
98	18.8	62.7	3227	10	ACC00343	Human	ADa	C	171	18.2	60.7	49939	9	ABJ16928	9	Abj16928	Human	DYX
99	18.8	62.7	3287	13	ADSG7547	Human	CDN	C	172	18.2	60.7	89856	13	ABD33119	13	Abd33119	Murine	cat
100	18.8	62.7	3297	11	ADM02403	Human	CDN	C	173	18.2	60.7	337022	12	ADQ59416	12	Adq59416	Human	cat
101	18.8	62.7	3675	6	AAL397114	Human	met	C	174	18.2	60.7	338780	14	ADZ13691	14	Adz13691	Human	cat
102	18.8	62.7	3675	6	AAL34654	Human	MDT	C	175	18	60.0	399	11	ACH97602	11	Ach97602	Oncogene	
103	18.8	62.7	3675	9	ACFE57047	Human	MDT	C	176	18	60.0	432	5	ABJ18602	5	Abj18602	Human	ner
104	18.8	62.7	3675	9	ADAS0761	Human	ADA	C	177	18	60.0	432	5	ABJ18601	5	Abj18601	Human	ner
105	18.8	62.7	3675	10	ABSS57767	Novel	hum	C	178	18	60.0	432	5	AAAC08555	5	Aaac08555	Human	sec
106	18.8	62.7	3675	12	ACB85568	Human	PRO	C	179	18	60.0	459	3	AAAC08555	3	Aaac08555	Human	sec
107	18.8	62.7	3675	14	ABE98078	Human	NHP	C	180	18	60.0	471	2	AAV48229	2	Aav48229	Human	int
108	18.8	62.7	4042	9	ADAS0763	Novel	hum	C	181	18	60.0	471	2	AAV32630	2	Aav32630	Human	int
109	18.8	62.7	4042	14	ABE98080	CDNA	enco	C	182	18	60.0	471	2	AAV32630	2	Aav32630	Human	int
110	18.8	62.7	4042	14	ABE98080	CDNA	enco	C	183	18	60.0	471	2	AAV32626	2	Aav32626	Mutant	hu
111	18.8	62.7	4234	6	ABK49821	Human	NHP	C	184	18	60.0	471	2	AAV32629	2	Aav32629	Mutant	hu
112	18.8	62.7	4888	6	ABK86137	CDNA	enco	C	185	18	60.0	471	2	AAV32631	2	Aav32631	Mutant	hu
113	18.8	62.7	4888	6	ABK86137	CDNA	enco	C	186	18	60.0	471	2	AAV32628	2	Aav32628	Mutant	hu
114	18.8	62.7	4902	13	ACN43153	Human	dla	C	187	18	60.0	474	14	AEBS33709	14	Aeb33709	DNA	enco
115	18.8	62.7	5092	2	AAQ51558	Loricrin		C	188	18	60.0	479	14	ACF91122	14	Acf91122	Human	SIT
116	18.8	62.7	5092	2	AAZ22073	Sequence		C	189	18	60.0	540	4	AAK61900	4	Aak61900	Human	imm
117	18.8	62.7	5092	4	ABK68949	Polyuucle		C	190	18	60.0	540	4	AAK61900	4	Aak61900	Human	imm
118	18.8	62.7	5610	4	ABK68949	Human	CDN	C	191	18	60.0	650	5	ADL43166	5	Adl43166	Human	ova
119	18.8	62.7	6530	2	AAQ51557	Loricrin		C	192	18	60.0	729	4	ABAB89463	4	Abab89463	Escherich	
120	18.8	62.7	6530	2	AAZ22072	Nucleotid		C	193	18	60.0	757	13	ADSO00465	13	Adso00465	Murine	EG
121	18.8	62.7	6530	4	AAZ22072	Nucleotid		C	194	18	60.0	791	4	AAAS28790	4	Aas28790	Human	imm
122	18.8	62.7	6530	4	AAZ22072	Nucleotid		C	195	18	60.0	791	4	AAAS28790	4	Aas28790	Human	imm
123	18.8	62.7	7668	6	ABK49827	Plasmid	P	C	196	18	60.0	791	4	ABAO6639	4	Abao6639	Human	CDN
124	18.8	62.7	8435	6	ABK49825	Plasmid	P	C	197	18	60.0	791	4	ABV83976	4	Abv83976	Human	pol
125	18.8	62.7	24859	11	ACNA44656	Plasmid	P	C	198	18	60.0	1268	4	ABAO63395	4	Abao63395	Human	CDN
126	18.8	62.7	112453	13	ABD32665	Human	can	C	199	18	60.0	1268	4	ABV83736	4	Abv83736	Human	CDN
127	18.8	62.7	194049	11	ACN444844	Mouse	gen	C	200	18	60.0	1341	6	ABSS1743	6	Abss1743	Human	pol
128	18.8	62.7	215231	11	ACN444754	Human	gen	C	201	18	60.0	1341	6	ABSS1743	6	Abss1743	Human	pol
129	18.8	62.7	340449	8	AAJ52198	Human	sec	C	202	18	60.0	1407	6	ABSS1740	6	Abss1740	Human	pol
130	18.6	62.0	50977	13	ADT92806	Human	DGC	C	203	18	60.0	1473	4	AAAF81759	4	Aafa81759	Human	mem
131	18.4	61.3	447	6	ABK76294	Bacillus		C	204	18	60.0	1590	6	ABSS1738	6	Abss1738	Human	mem
132	18.4	61.3	447	6	ABK76294	Bacillus		C	205	18	60.0	1593	6	ABSS1738	6	Abss1738	Human	mem
133	18.4	61.3	668	12	ADH57462	DNA	enco	C	206	18	60.0	1617	12	ADM66982	12	Adm66982	Murine	cat
134	18.4	61.3	690	10	ADH83294	Enterococ		C	207	18	60.0	1680	5	AAAS79268	5	Aas79268	Human	imm
135	18.4	61.3	833	9	ADNA03021	Human	RAC	C	208	18	60.0	1726	5	AAAD32523	5	Aad32523	Human	B7-
136	18.4	61.3	833	10	ADNB7259	Human	RAC	C	209	18	60.0	1777	5	AAAS79008	5	Aas79008	DNA	enco
137	18.4	61.3	833	10	ADNB7259	Human	RAC	C	210	18	60.0	1863	6	ABO60953	6	Abog60953	MGC	1573
138	18.4	61.3	833	12	ADMT74616	Human	car	C	211	18	60.0	1943	4	AAK94623	4	Aak94623	Human	ful
139	18.4	61.3	1461	10	ADD71204	Human	int	C	212	18	60.0	1943	12	ADJ31556	12	Adj31556	Human	ful
140	18.4	61.3	1483	5	ABZ35390	Human	gen	C	213	18	60.0	1943	13	ADJ31556	13	Adj31556	Human	ful
141	18.4	61.3	1484	5	ABZ35390	Human	gen	C	214	18	60.0	7890	4	ABAB89452	4	Abab89452	Escherich	
142	18.4	61.3	1516	11	ADN95655	Human	BEC	C	215	18	60.0	11162	4	AAK81259	4	Aak81259	Human	imm
143	18.4	61.3	1779	10	ADN95655	Human	BEC	C	216	18	60.0	11162	4	AAK81259	4	Aak81259	Human	imm
144	18.4	61.3	2118	9	ADA31266	Human	gen	C	217	18	60.0	11788	6	ABAB98851	6	Abab98851	Human	imm
145	18.4	61.3	2641	12	ADG32253	DNA	enco	C	218	18	60.0	11788	6	ABAB98851	6	Abab98851	Human	imm
146	18.4	61.3	2641	12	ADG32253	DNA	enco	C	219	18	60.0	11788	6	ABAB98851	6	Abab98851	Human	imm
147	18.4	61.3	5918	2	AAK13045	Enterococ		C	220	18	60.0	11788	10	ADP30700	10	Adp30700	Human	imm
148	18.4	61.3	5918	2	AAK13045	Enterococ		C	221	18	60.0	12856	6	ABST78892	6	Abst78892	E. coli	C
149	18.4	61.3	26225	4	AAK355776	Human	car	C	222	18	60.0	12856	10	ADH80439	10	Adh80439	Escherich	
150	18.4	61.3	26225	10	ADH80439	Human	car	C	223	18	60.0	17498	11	ADG41560	11	Adg41560	Genomic	B
151	18.4	61.3	26225	12	ADJ12594	DNA	fragm	C	224	18	60.0	17498	11	ADG41560	11	Adg41560	Genomic	B
152	18.4	61.3	26225	13	ADJ07888	Human	car	C	225	18	60.0	25541	4	AAK76168	4	Aak76168	Human	re
153	18.4	61.3	26933	13	ABD33416	Human	car	C	226	18	60.0	25541	4	AAK76168	4	Aak76168	Human	re
154	18.4	61.3	26933	14	ADZ13427	Murine	ca	C	227	18	60.0	29829	11	ACNA43310	11	Acna43310	Human	imm
155	18.4	61.3	38764	9	ADNA03020	Murine	ca	C	228	18	60.0	32146	4	AAAS28363	4	Aas28363	Genomic	B
156	18.4	61.3	38764	10	ADNB72758	Human	RAC	C	229	18	60.0	32146	11	ADJ197333	11	Adj197333	Human	re
157	18.4	61.3	38764	10	ADNB72758	Human	RAC	C	230	18	60.0	32248	4	AAAS28366	4	Aas28366	Genomic	B
158	18.4	61.3	38764	12	ADMC85500	Human	RAC	C	231	18	60.0	32248	10	ADG41564	10	Adg41564	Genomic	B
159	18.4	61.3	56495	14	ADMT72230	Human	car	C	232	18	60.0	32248	4	AAK76172	4	Aak76172	Human	re
160	18.4	61.3	56495	11	ACNA44778	Human	gen	C	233	18	60.0	34435	6	ABO88176	6	Abog88176	Human	re
161	18.4	61.3	57105	14	ADZ13149	Human	can	C	234	18	60.0	100301	12	ADQ20754	12	Adq20754	Human	ost
162	18.4	61.3	65921	3	AAZ289046	Human	can	C	235	18	60.0	100301	14	ADZ130754	14	Adz130754	Human	ost
163	18.4	61.3	75796	10	ABX77212	Mouse	uvt	C	236	18	60.0	142299	10	ADDS0661	10	Adds0661	BAC	sequ
164	18.4	61.3	81656	12	ADQ97876	Human	can	C	237	18	60.0	142299	14	ADV77999	14	Adv77999	Human	RAC
165	18.4	61.3	100000	6	ADQ74541	Human	tira	C	238	18	60.0	142299	14	ADV77999	14	Adv77999	Human	RAC

GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:51:03 ; Search time 2395.76 Seconds  
(without alignments)  
585.873 Million cell updates/sec

Title: US-10-625-124-14

Perfect score: 30

Sequence: 1 tggctcgcattatgtctgcgcagcaagta 30

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

Database :

EST:\*  
1: gb\_est1:\*  
2: gb\_est2:\*  
3: gb\_est3:\*  
4: gb\_hnc:\*  
5: gb\_est4:\*  
6: gb\_est5:\*  
7: gb\_est6:\*  
8: gb\_est7:\*  
9: gb\_gss1:\*  
10: gb\_gss2:\*  
11: gb\_gss3:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	30	100.0	187	1	A1908770 IL-BT189-
2	30	100.0	260	2	BE814713 PM3-BN008
3	30	100.0	300	1	AU098915 AU098915
4	30	100.0	387	7	CR774616 DKF2P469D
5	30	100.0	434	8	TS3932 y085a06.r1
6	30	100.0	449	1	AM136528
7	30	100.0	479	1	AA426104 zue6h06.x
8	30	100.0	485	3	BP224073 BP224073
9	30	100.0	496	2	BG747472 602704779
10	30	100.0	530	6	CH111882 K-EST0153
11	30	100.0	556	6	CB297181 12B22033-
12	30	100.0	557	3	BE274875
13	30	100.0	559	5	BK487803 DKF2P686D
14	30	100.0	561	3	BP241154
15	30	100.0	562	3	BP239399 BP239399
16	30	100.0	562	7	CK905568 ih26f10.y
17	30	100.0	564	1	AU279476
18	30	100.0	572	3	BT761569
19	30	100.0	574	3	BP213400
20	30	100.0	579	3	BP212549
21	30	100.0	579	3	BP277224
22	30	100.0	580	3	BP321544

23	30	100.0	580	3	BP332044
24	30	100.0	581	3	BP250812
25	30	100.0	581	3	BP355711
26	30	100.0	582	3	BP216508
27	30	100.0	582	3	BP229719
28	30	100.0	582	3	BP255505
29	30	100.0	582	3	BP289331
30	30	100.0	582	3	BP294125
31	30	100.0	582	3	BP326502
32	30	100.0	582	3	BP355742
33	30	100.0	583	3	BP271460
34	30	100.0	583	3	BP363684
35	30	100.0	584	3	BP344472
36	30	100.0	584	3	BP358428
37	30	100.0	592	5	BK340297
38	30	100.0	593	3	BP214206
39	30	100.0	595	3	BM507279
40	30	100.0	631	3	BI838922
41	30	100.0	657	7	CY028566
42	30	100.0	665	1	AL039824
43	30	100.0	673	3	BI836119
44	30	100.0	677	3	BM695624
45	30	100.0	686	7	CR791161
46	30	100.0	697	2	BG769726
47	30	100.0	697	3	BI836186
48	30	100.0	723	3	BM840185
49	30	100.0	743	10	AG166833
50	30	100.0	773	1	AU137728
51	30	100.0	773	3	BM919775
52	30	100.0	803	3	BI770329
53	30	100.0	829	3	BI560515
54	30	100.0	855	6	CB929257
55	30	100.0	865	3	BI759206
56	30	100.0	878	6	CD358893
57	30	100.0	881	1	AL549312
58	30	100.0	886	3	BI834207
59	30	100.0	913	5	BK402565
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61	30	100.0	922	5	BK382242
62	30	100.0	925	2	BG252311
63	30	100.0	935	2	BG323330
64	30	100.0	940	1	AL549778
65	30	100.0	963	7	CO774483
66	30	100.0	968	5	BQ707863
67	30	100.0	1003	3	BM473862
68	30	100.0	1044	1	AL523081
69	30	100.0	1076	3	BM473861
70	30	100.0	1632	10	AY413610
71	30	100.0	1895	4	CR624205
72	29	96.7	1505	3	BP383106
73	28.4	94.7	546	2	BE814688
74	28.4	94.7	755	2	BE871868
75	27.4	91.3	575	3	BM538987
76	27.4	91.3	851	8	DN877934
77	27	90.0	542	3	BM839350
78	27	90.0	649	7	CN481922
79	25.8	86.0	625	5	BY705709
80	25.8	86.0	1921	4	AK005506
81	25.4	84.7	352	5	BK384402
82	25.2	84.0	147	6	CA467413
83	24.2	80.7	847	2	BM563778
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85	24.2	80.7	326	5	BY780619
86	24.2	80.7	356	5	BY320981
87	24.2	80.7	357	5	BY162679
88	24.2	80.7	362	5	BY311396
89	24.2	80.7	370	5	BY172927
90	24.2	80.7	371	5	BY168538
91	24.2	80.7	375	5	BY168501
92	24.2	80.7	384	10	CG512622
93	24.2	80.7	385	5	BY156852
94	24.2	80.7	387	5	BY035831
95	24.2	80.7	402	5	BY156578

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BP216508	BP216508
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BP255505	BP255505
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BP344472	BP344472
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BI560515	BI560515
CB929257	CB929257
BI759206	BI759206
CD358893	CD358893
AL549312	AL549312
BI834207	BI834207
BK402565	BK402565
BK458352	BK458352
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BM473861	BM473861
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BY168538	BY168538
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BY035831	BY035831
BY156578	BY156578

96	24.2	80.7	408	1	A1528423	u197c06.Y	C 169	20.4	68.0	662	10	CM262273
97	24.2	80.7	411	5	BY238371	BY238371	C 170	20.4	68.0	725	9	BZ163395
98	24.2	80.7	445	2	BB858809	BB858809	C 171	20.4	68.0	837	9	CC548644
99	24.2	80.7	449	10	CG517835	CG517835	C 172	20.4	68.0	895	10	CNS012VD
100	24.2	80.7	457	5	BY152173	BY152173	C 173	20.4	68.0	946	10	CG120331
101	24.2	80.7	459	5	BY242159	BY242159	C 174	20.4	68.0	963	10	CG120332
102	24.2	80.7	496	2	BB866820	BB866820	C 175	20.4	68.0	1113	2	CG1194651
103	24.2	80.7	500	10	CG651434	CG651434	C 176	20.2	67.3	982	10	CL056775
104	24.2	80.7	501	1	AA388594	AA388594	C 177	20.2	67.3	1030	10	CL053260
105	24.2	80.7	539	1	AA388593	AA388593	C 178	20.2	67.3	1219	3	BM869123
106	24.2	80.7	580	2	B1144434	B1144434	C 179	20.2	66.7	305	7	BM861818
107	24.2	80.7	600	3	BI990360	BI990360	C 180	20.2	66.7	465	7	CE977949
108	24.2	80.7	609	2	B1143551	B1143551	C 181	20.2	66.7	489	6	CE725896
109	24.2	80.7	640	5	BY744241	BY744241	C 182	20.2	66.7	506	6	CE725896
110	24.2	80.7	699	8	DN174861	DN174861	C 183	20.2	66.7	549	6	CD030630
111	24.2	80.7	707	1	AM475533	AM475533	C 184	20.2	66.7	598	6	CD030630
112	24.2	80.7	780	1	AU067290	AU067290	C 185	20.2	66.7	649	6	CD030630
113	24.2	80.7	796	2	BF233879	BF233879	C 186	20.2	66.7	659	6	CD030630
114	24.2	80.7	802	1	AU067281	AU067281	C 187	20.2	66.7	738	10	CM429310
115	24.2	80.7	855	7	CK129648	CK129648	C 188	20.2	66.7	765	10	CM429311
116	24.2	80.7	908	6	CB204002	CB204002	C 189	20.2	66.7	775	10	CM429311
117	24.2	80.7	912	2	BI219502	BI219502	C 190	20.2	66.7	786	7	CM068937
118	24.2	80.7	916	5	BQ921904	BQ921904	C 191	20.2	66.7	791	7	CM068937
119	24.2	80.7	1052	2	BF302465	BF302465	C 192	20.2	66.0	864	8	DN930989
120	24.2	80.7	1578	10	AY413612	AY413612	C 193	19.8	66.0	476	9	BE900931
121	24.2	80.0	600	3	BM666512	BM666512	C 194	19.8	66.0	889	10	CL067180
122	24.2	80.0	1578	10	AY413611	AY413611	C 195	19.6	65.3	334	2	BB497138
123	23.4	78.0	480	10	CG495142	CG495142	C 196	19.6	65.3	474	6	CB729278
124	23.2	77.3	347	1	A1029940	A1029940	C 197	19.6	65.3	569	1	AJ812957
125	23.2	77.3	579	6	CB607332	CB607332	C 198	19.6	65.3	576	1	AM855212
126	23.2	77.3	617	6	CB579413	CB579413	C 199	19.6	65.3	760	8	DN064985
127	23.2	77.3	663	7	CO572952	CO572952	C 200	19.6	65.3	830	8	DN152600
128	23.2	77.3	691	7	CO571290	CO571290	C 201	19.6	65.3	858	8	DR547791
129	23.2	77.3	738	6	CB567449	CB567449	C 202	19.6	65.3	885	5	BM641056
130	23.2	77.3	742	7	CK471803	CK471803	C 203	19.6	65.3	1186	9	CC295461
131	23.2	77.3	753	7	CK355509	CK355509	C 204	19.6	65.3	1189	9	CC295461
132	23.2	77.3	768	7	CK357124	CK357124	C 205	19.6	65.3	1217	10	AG441722
133	23.2	77.3	782	7	CK477524	CK477524	C 206	19.6	65.3	1416	8	DN659716
134	23.2	77.3	785	7	CK472406	CK472406	C 207	19.6	65.3	2094	4	CNS07146
135	23.2	77.3	827	7	CK472022	CK472022	C 208	19.6	65.3	359	9	BM345837
136	23.2	77.3	837	7	CK472020	CK472020	C 209	19.4	64.7	441	9	AQ148392
137	22.4	74.7	601	3	BM993414	BM993414	C 210	19.4	64.7	465	6	CD761990
138	22.2	73.3	758	9	AQ900234	AQ900234	C 211	19.4	64.7	486	10	CZ059026
139	21.6	72.0	444	7	CK347837	CK347837	C 212	19.4	64.7	494	9	AQ332765
140	21.6	71.3	335	10	CG517239	CG517239	C 213	19.4	64.7	498	1	AM578024
141	21.2	70.7	349	10	CE638429	CE638429	C 214	19.4	64.7	512	1	AA717443
142	21.2	70.7	602	7	CO050557	CO050557	C 215	19.4	64.7	534	3	AQ144876
143	21.2	70.0	680	5	BU364942	BU364942	C 216	19.4	64.7	580	3	AU300153
144	21.2	70.0	968	4	CNS0G492	CNS0G492	C 217	19.4	64.7	587	3	BP234458
145	21.2	70.0	1066	4	CNS0G473	CNS0G473	C 218	19.4	64.7	593	11	FP0039274
146	21.2	70.0	1071	4	CNS0F476	CNS0F476	C 219	19.4	64.7	598	9	CE769965
147	21.2	70.0	1072	4	CNS0F476	CNS0F476	C 220	19.4	64.7	603	9	CE256096
148	21.2	70.0	1073	4	CNS0F476	CNS0F476	C 221	19.4	64.7	605	5	BQ832096
149	21.2	70.0	1079	4	CNS0F476	CNS0F476	C 222	19.4	64.7	632	2	BB618972
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151	21.2	70.0	1093	4	CNS0F476	CNS0F476	C 224	19.4	64.7	633	1	AV659837
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156	20.8	69.3	575	8	CX180771	CX180771	C 229	19.4	64.7	839	3	BI455273
157	20.8	68.3	595	8	CX179148	CX179148	C 230	19.4	64.7	866	2	BG157992
158	20.6	68.7	184	5	BY354885	BY354885	C 231	19.4	64.7	871	8	CX908817
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162	20.6	68.7	707	5	BM052801	BM052801	C 235	19.4	64.7	3679	4	AK084541
163	20.4	68.0	556	9	AQ768206	AQ768206	C 236	19.4	64.7	3806	4	AK083486
164	20.4	68.0	606	10	CM050441	CM050441	C 237	19.4	64.7	3922	4	AK053054
165	20.4	68.0	621	10	CM050795	CM050795	C 238	19.2	64.0	105	2	BF905394
166	20.4	68.0	634	10	CM050875	CM050875	C 239	19.2	64.0	167	9	BZ875751
167	20.4	68.0	634	10	CM050875	CM050875	C 240	19.2	64.0	198	2	BM634447
168	20.4	68.0	658	10	CM060343	CM060343	C 241	19.2	64.0	304	2	RI053284

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:56:50 ; Search time 81.5217 Seconds

(without alignments)  
654.143 Million cell updates/sec

Title: US-10-625-124-14

Perfect score: 30

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

## SUMMARIES

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2	19.6	65.3	421491	US-09-949-016-12805	Sequence 12805, A
3	19.6	65.3	421494	US-09-949-016-14060	Sequence 14060, A
4	19.2	64.0	6412	US-08-652-877-17	Sequence 17, Appl
5	19.2	64.0	6412	US-08-476-515A-17	Sequence 17, Appl
6	19.2	64.0	14044	US-08-652-877-85	Sequence 85, Appl
7	19.2	64.0	14044	US-08-652-877-85	Sequence 85, Appl
8	19.2	64.0	14080	US-08-652-877-87	Sequence 87, Appl
9	19.2	64.0	14086	US-08-476-515A-83	Sequence 83, Appl
10	19.2	64.0	14086	US-08-652-877-83	Sequence 83, Appl
11	19.2	64.0	54649	US-09-949-016-15867	Sequence 15867, A
12	19.2	64.0	601	US-09-949-016-23040	Sequence 23040, A
13	19.2	64.0	601	US-09-949-016-200512	Sequence 200512, A
14	19.2	64.0	698	US-09-533-559-7282	Sequence 7282, Ap
15	19.2	64.0	74177	US-09-949-016-11988	Sequence 11988, A
16	19.2	64.0	74177	US-09-949-016-17388	Sequence 17388, A
17	19.2	64.0	223354	US-09-705-400-64	Sequence 64, Appl
18	18.8	62.7	601	US-09-949-016-138739	Sequence 138739, A
19	18.8	62.7	601	US-09-949-002-1574	Sequence 1574, Ap
20	18.8	62.7	601	US-09-949-002-1675	Sequence 1675, Ap
21	18.8	62.7	601	US-09-949-002-1676	Sequence 1676, Ap
22	18.8	62.7	601	US-09-949-002-5904	Sequence 5904, Ap
23	18.8	62.7	601	US-09-949-002-5905	Sequence 5905, Ap
24	18.8	62.7	601	US-09-949-002-5906	Sequence 5906, Ap

25	18.8	62.7	1900	US-10-104-047-1883	Sequence 1883, Ap
26	18.8	62.7	2974	US-10-104-047-772	Sequence 772, App
27	18.8	62.7	3675	US-09-930-872-3	Sequence 3, Appl1
28	18.8	62.7	3675	US-10-217-774-3	Sequence 3, Appl1
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34	18.8	62.7	6530	US-08-146-930-1	Sequence 1, Appl1
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36	18.8	62.7	6530	PCR-US93-03993-1	Sequence 1, Appl1
37	18.8	62.7	31769	US-09-949-002-734	Sequence 734, App
38	18.8	62.7	91232	US-09-949-002-607	Sequence 607, App
39	18.8	62.7	194889	US-09-949-016-15654	Sequence 15654, A
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41	18.6	62.0	601	US-09-949-016-200513	Sequence 200513, A
42	18.4	61.3	486	US-09-513-999C-1880	Sequence 1880, Ap
43	18.4	61.3	601	US-09-949-002-1677	Sequence 1677, Ap
44	18.4	61.3	601	US-09-949-002-2032	Sequence 2032, Ap
45	18.4	61.3	601	US-09-949-002-4095	Sequence 4095, Ap
46	18.4	61.3	601	US-09-949-002-5907	Sequence 5907, Ap
47	18.4	61.3	690	US-09-134-000C-179	Sequence 179, App
48	18.4	61.3	1050	US-09-949-016-13769	Sequence 13769, App
49	18.4	61.3	1053	US-09-248-796A-1899	Sequence 3035, Ap
50	18.4	61.3	2118	US-09-328-352-2553	Sequence 1859, Ap
51	18.4	61.3	18999	US-09-949-002-703	Sequence 703, App
52	18.4	61.3	22339	US-09-949-016-14777	Sequence 14777, A
53	18.4	61.3	27271	US-09-949-002-622	Sequence 622, App
54	18.4	61.3	58484	US-09-949-016-13769	Sequence 13769, A
55	18.2	60.7	57054	US-09-949-016-11159	Sequence 14159, A
56	18.2	60.7	321022	US-09-949-016-11852	Sequence 11852, A
57	18.2	60.7	321022	US-09-949-016-14166	Sequence 14166, A
58	18.0	60.0	399	US-09-489-039A-3397	Sequence 3397, Ap
59	18.0	45.9	459	US-09-513-999C-12630	Sequence 12630, A
60	18.0	47.1	471	US-08-982-285-16	Sequence 16, Appl
61	18.0	47.1	471	US-08-982-285-18	Sequence 18, Appl
62	18.0	47.1	471	US-08-982-285-19	Sequence 19, Appl
63	18.0	47.1	471	US-08-982-285-20	Sequence 20, Appl
64	18.0	47.1	471	US-08-982-285-21	Sequence 21, Appl
65	18.0	47.1	471	US-10-100-057-14	Sequence 14, Appl
66	18.0	47.1	471	US-10-100-057-16	Sequence 16, Appl
67	18.0	194790	3	US-09-949-016-15393	Sequence 15393, A
68	17.8	59.3	429	US-08-979-847B-136	Sequence 136, App
69	17.8	59.3	432	US-09-322-409-122	Sequence 122, App
70	17.8	59.3	432	US-09-322-409-123	Sequence 123, App
71	17.8	59.3	432	US-09-451-527-122	Sequence 122, App
72	17.8	59.3	432	US-09-451-527-123	Sequence 123, App
73	17.8	59.3	432	US-09-617-594A-7	Sequence 7, Appl1
74	17.8	59.3	432	US-09-617-594A-9	Sequence 9, Appl1
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77	17.8	59.3	444	US-09-322-409-119	Sequence 119, App
78	17.8	59.3	444	US-09-322-409-121	Sequence 121, App
79	17.8	59.3	444	US-09-451-527-119	Sequence 119, App
80	17.8	59.3	444	US-09-451-527-121	Sequence 121, App
81	17.8	59.3	601	US-09-949-016-12642	Sequence 12642, A
82	17.8	59.3	601	US-09-949-016-12642	Sequence 12642, A
83	17.8	59.3	601	US-09-949-016-199380	Sequence 199380, A
84	17.8	59.3	756	US-09-020-965-34	Sequence 34, Appl
85	17.8	59.3	756	US-09-030-607-34	Sequence 34, Appl
86	17.8	59.3	756	US-09-439-313-34	Sequence 34, Appl
87	17.8	59.3	756	US-09-352-616A-34	Sequence 34, Appl
88	17.8	59.3	756	US-09-232-199A-34	Sequence 34, Appl
89	17.8	59.3	756	US-09-159-812-34	Sequence 34, Appl
90	17.8	59.3	756	US-09-636-215-34	Sequence 34, Appl
91	17.8	59.3	756	US-09-685-166A-34	Sequence 34, Appl
92	17.8	59.3	756	US-09-115-453-34	Sequence 34, Appl
93	17.8	59.3	756	US-09-688-469-34	Sequence 34, Appl
94	17.8	59.3	756	US-09-679-426-34	Sequence 34, Appl
95	17.8	59.3	756	US-09-759-143-34	Sequence 34, Appl
96	17.8	59.3	756	US-09-651-236-34	Sequence 34, Appl
97	17.8	59.3	756	US-09-030-606-34	Sequence 34, Appl

C 98	17.8	59.3	756	3	US-09-657-279-34	Sequence 34, Appl	C 171	17.2	57.3	2302	3	US-08-426-243-1	Sequence 1, Appl
C 99	17.8	59.3	756	3	US-10-012-896-34	Sequence 34, Appl	C 172	17.2	57.3	2302	3	US-08-401-633-1	Sequence 1, Appl
C 100	17.8	59.3	771	2	US-08-506-340A-4	Sequence 4, Appl	C 173	17.2	57.3	2317	3	US-10-104-047-628	Sequence 628, App
C 101	17.8	59.3	1621	3	US-09-620-312D-979	Sequence 979, App	C 174	17.2	57.3	2353	3	US-09-004-838-2	Sequence 2, Appl
C 102	17.8	59.3	1675	3	US-09-620-312D-978	Sequence 978, App	C 175	17.2	57.3	2628	3	US-09-774-528-27	Sequence 27, Appl
C 103	17.8	59.3	3657	3	US-10-104-047-597	Sequence 597, App	C 176	17.2	57.3	2628	3	US-10-120-988-27	Sequence 27, Appl
C 104	17.8	59.3	18448	3	US-09-949-016-15345	Sequence 15345, A	C 177	17.2	57.3	3082	3	US-09-220-133-68	Sequence 68, Appl
C 105	17.8	59.3	102520	3	US-09-949-016-17347	Sequence 17347, A	C 178	17.2	57.3	5362	3	US-09-573-080A-39	Sequence 39, Appl
C 106	17.8	59.3	102526	3	US-09-949-016-12448	Sequence 12448, A	C 179	17.2	57.3	5937	3	US-09-573-080A-39	Sequence 39, Appl
C 107	17.8	59.3	131631	3	US-09-949-016-11757	Sequence 11757, A	C 180	17.2	57.3	6306	6	PCT-US94-00658-1	Sequence 1, Appl
C 108	17.8	59.3	221545	3	US-09-949-016-13875	Sequence 13875, A	C 181	17.2	57.3	26076	3	US-09-949-016-14182	Sequence 1, Appl
C 109	17.6	58.7	601	3	US-09-949-016-186011	Sequence 186011, A	C 182	17.2	57.3	28843	3	US-09-949-016-12515	Sequence 12515, A
C 110	17.6	58.7	1137	3	US-09-489-039A-6789	Sequence 6789, Ap	C 183	17.2	57.3	37888	3	US-09-949-016-14593	Sequence 14593, A
C 111	17.6	58.7	5727	3	US-09-628-188A-1	Sequence 1, Appl	C 184	17.2	57.3	37888	3	US-09-949-016-14593	Sequence 14593, A
C 112	17.6	58.7	96922	3	US-09-949-016-17061	Sequence 17061, A	C 185	17.2	57.3	121982	3	US-09-949-016-12627	Sequence 12627, A
C 113	17.6	58.7	119032	3	US-09-949-016-12160	Sequence 12160, A	C 186	17.2	57.3	121982	3	US-09-949-016-12627	Sequence 12627, A
C 114	17.6	58.7	119032	3	US-09-949-016-12160	Sequence 12160, A	C 187	17.2	57.3	121982	3	US-09-949-016-12627	Sequence 12627, A
C 115	17.6	58.7	119032	3	US-09-949-016-12160	Sequence 12160, A	C 188	17.2	57.3	121982	3	US-09-949-016-12627	Sequence 12627, A
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C 118	17.4	58.0	424	3	US-09-854-133-710	Sequence 1363, Ap	C 191	17.2	57.3	238815	3	US-09-949-016-15947	Sequence 15947, A
C 119	17.4	58.0	424	3	US-09-854-133-710	Sequence 1363, Ap	C 192	17.2	57.3	238815	3	US-09-949-016-15947	Sequence 15947, A
C 120	17.4	58.0	556	3	US-09-621-976-1030	Sequence 710, App	C 193	17.2	57.3	268449	3	US-09-949-016-16274	Sequence 16274, A
C 121	17.4	58.0	556	3	US-09-621-976-1031	Sequence 1030, Ap	C 194	17.2	57.3	374159	3	US-09-949-016-17244	Sequence 17244, A
C 122	17.4	58.0	601	3	US-09-949-016-29707	Sequence 1031, Ap	C 195	17.2	57.3	4403765	3	US-09-949-016-15868	Sequence 15868, A
C 123	17.4	58.0	601	3	US-09-949-016-31153	Sequence 29707, A	C 196	17.2	57.3	4411529	3	US-09-103-840A-2	Sequence 2, Appl
C 124	17.4	58.0	601	3	US-09-949-016-61459	Sequence 31153, A	C 197	17.2	57.3	25	3	US-09-103-840A-1	Sequence 1, Appl
C 125	17.4	58.0	601	3	US-09-949-016-167623	Sequence 147623, A	C 198	17.2	57.3	288	3	US-09-336-196G-82223	Sequence 82223, A
C 126	17.4	58.0	601	3	US-09-949-016-196810	Sequence 196810, A	C 199	17.2	57.3	288	3	US-09-172-108-55	Sequence 55, Appl
C 127	17.4	58.0	606	3	US-09-949-016-196838	Sequence 196838, A	C 200	17.2	57.3	406	3	US-09-533-559-1445	Sequence 1445, Ap
C 128	17.4	58.0	606	3	US-09-949-016-196838	Sequence 196838, A	C 201	17.2	57.3	429	3	US-08-979-847B-135	Sequence 135, App
C 129	17.4	58.0	1386	2	US-08-408-095-22	Sequence 2204, Ap	C 202	17.2	57.3	522	3	US-09-328-352-1965	Sequence 1965, Ap
C 130	17.4	58.0	1610	3	US-09-620-312D-1049	Sequence 22, Appl	C 203	17.2	57.3	601	3	US-09-949-016-19476	Sequence 19476, A
C 131	17.4	58.0	1704	3	US-09-620-312D-337-38	Sequence 38, Appl	C 204	17.2	57.3	601	3	US-09-949-016-19476	Sequence 19476, A
C 132	17.4	58.0	1757	2	US-08-313-075A-49	Sequence 49, Appl	C 205	17.2	57.3	601	3	US-09-949-016-19476	Sequence 19476, A
C 133	17.4	58.0	1757	2	US-09-142-108C-26	Sequence 26, Appl	C 206	17.2	57.3	601	3	US-09-949-016-19476	Sequence 19476, A
C 134	17.4	58.0	1835	3	US-09-949-016-4143	Sequence 4143, Ap	C 207	17.2	57.3	601	3	US-09-949-016-59492	Sequence 59492, A
C 135	17.4	58.0	2382	3	US-09-949-016-605	Sequence 605, App	C 208	17.2	57.3	601	3	US-09-949-016-69431	Sequence 69431, A
C 136	17.4	58.0	4989	3	US-09-560-639-3	Sequence 3, Appl	C 209	17.2	57.3	601	3	US-09-949-016-14184	Sequence 14184, A
C 137	17.4	58.0	11832	2	US-08-416-603-1	Sequence 1, Appl	C 210	17.2	57.3	1274	3	US-09-401-064-130	Sequence 167972, A
C 138	17.4	58.0	29893	3	US-09-949-016-15885	Sequence 15885, A	C 211	17.2	57.3	1745	3	US-09-620-312D-1054	Sequence 1054, Ap
C 139	17.4	58.0	30418	3	US-09-949-016-12347	Sequence 12347, A	C 212	17.2	57.3	1745	3	US-09-465-519-3	Sequence 3, Appl
C 140	17.4	58.0	33112	3	US-10-429-873A-3	Sequence 3, Appl	C 213	17.2	57.3	1745	3	US-10-136-272-3	Sequence 3, Appl
C 141	17.4	58.0	42693	3	US-09-949-016-17317	Sequence 17317, A	C 214	17.2	57.3	601	3	US-09-971-611-3	Sequence 3, Appl
C 142	17.4	58.0	42693	3	US-09-949-016-17317	Sequence 17317, A	C 215	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 143	17.4	58.0	60137	3	US-09-949-016-14735	Sequence 14735, A	C 216	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 144	17.4	58.0	60137	3	US-09-949-016-14735	Sequence 14735, A	C 217	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 145	17.4	58.0	70014	3	US-09-849-016-17110	Sequence 17110, A	C 218	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 146	17.4	58.0	130563	3	US-09-849-016-12773	Sequence 12773, A	C 219	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 147	17.4	58.0	131379	3	US-09-849-016-16050	Sequence 16050, A	C 220	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 148	17.4	58.0	141560	3	US-09-949-016-16476	Sequence 16476, A	C 221	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 149	17.4	58.0	235064	3	US-09-949-016-15390	Sequence 15390, A	C 222	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 150	17.2	57.3	242	3	US-09-513-999C-1372	Sequence 3372, Ap	C 223	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 151	17.2	57.3	314	3	US-09-328-111-35	Sequence 35, Appl	C 224	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 152	17.2	57.3	601	3	US-09-849-016-81396	Sequence 81396, A	C 225	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 153	17.2	57.3	601	3	US-09-849-016-81396	Sequence 81396, A	C 226	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
C 154	17.2	57.3	601	3	US-09-849-016-81396	Sequence 81396, A	C 227	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
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C 160	17.2	57.3	601	3	US-09-849-016-81396	Sequence 81396, A	C 233	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
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C 162	17.2	57.3	601	3	US-09-849-016-81396	Sequence 81396, A	C 235	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App
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C 170	17.2	57.3	601	3	US-09-849-016-81396	Sequence 81396, A	C 243	17.2	57.3	601	3	US-10-012-231A-266	Sequence 266, App



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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 21:44:19 ; Search time 795 Seconds

(without alignments)  
312.052 Million cell updates/sec

Title: US-10-625-124-14

Perfect score: 30

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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	30	US-10-625-124-14	Sequence 14, Appl
2	30	100.0	2016	US-10-172-118-421	Sequence 421, App
3	30	100.0	2016	US-10-342-887-421	Sequence 421, App
4	30	100.0	2016	US-10-625-124-1	Sequence 1, Appl
5	30	100.0	2016	US-10-956-157-335	Sequence 335, App
6	30	100.0	12990	US-10-625-124-3	Sequence 3, Appl
7	22	73.3	25	US-10-719-956-90997	Sequence 90997, A
8	21	70.0	530	US-09-925-065A-369306	Sequence 369306, A
9	21	70.0	606	US-09-925-065A-190656	Sequence 190656, A
10	21	70.0	660	US-10-027-632-200260	Sequence 200260, A
11	21	70.0	660	US-10-027-632-200260	Sequence 200260, A
12	20.6	68.7	343	US-10-674-124A-24314	Sequence 24314, A
13	20.4	68.0	25	US-10-719-956-90998	Sequence 90998, A
14	20.4	68.0	611	US-10-027-632-59637	Sequence 59637, A
15	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
16	20.4	68.0	611	US-10-027-632-309321	Sequence 309321, A
17	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
18	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
19	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
20	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
21	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
22	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A
23	20.4	68.0	611	US-10-027-632-179287	Sequence 179287, A

24	20	66.7	669	3	US-09-815-242-6671	Sequence 6671, App
25	20	66.7	961	7	US-10-424-559-55140	Sequence 55140, A
26	19.8	66.0	564	8	US-09-925-065A-673935	Sequence 673935, A
27	19.6	65.3	383	8	US-10-425-115-35747	Sequence 35747, A
28	19.6	65.3	535	9	US-10-972-079-96417	Sequence 96417, A
29	19.6	65.3	599	9	US-10-972-079-96417	Sequence 96417, A
30	19.6	65.3	599	9	US-10-972-079-96415	Sequence 96415, A
31	19.6	65.3	599	9	US-10-972-079-96415	Sequence 96415, A
32	19.6	65.3	652	4	US-09-925-065A-489092	Sequence 489092, A
33	19.6	65.3	652	4	US-09-925-065A-489093	Sequence 489093, A
34	19.6	65.3	43412	6	US-10-085-117-7	Sequence 7, Appl
35	19.4	64.7	431	4	US-09-925-065A-185398	Sequence 185398, A
36	19.4	64.7	431	4	US-09-925-065A-185399	Sequence 185399, A
37	19.4	64.7	606	4	US-09-925-065A-86879	Sequence 86879, A
38	19.4	64.7	659	4	US-09-925-065A-262595	Sequence 262595, A
39	19.4	64.7	659	4	US-09-925-065A-262596	Sequence 262596, A
40	19.4	64.7	676	4	US-09-925-065A-89448	Sequence 89448, A
41	19.4	64.7	2459	5	US-10-027-632-215392	Sequence 215392, A
42	19.4	64.7	2459	5	US-10-027-632-215392	Sequence 215392, A
43	19.4	64.7	3134	6	US-10-027-632-112707	Sequence 112707, A
44	19.4	64.7	3134	6	US-10-027-632-112707	Sequence 112707, A
45	19.2	64.0	25	10	US-11-036-317-63146	Sequence 63146, A
46	19.2	64.0	25	10	US-11-036-317-806557	Sequence 806557, A
47	19.2	64.0	91	3	US-09-920-455-234	Sequence 234, App
48	19.2	64.0	201	7	US-10-741-601-1000	Sequence 1000, App
49	19.2	64.0	201	7	US-10-741-601-1700	Sequence 1700, App
50	19.2	64.0	201	8	US-10-741-600-3170	Sequence 3170, App
51	19.2	64.0	201	8	US-10-741-600-21493	Sequence 21493, A
52	19.2	64.0	474	3	US-09-864-761-13878	Sequence 13878, A
53	19.2	64.0	518	3	US-09-864-761-10447	Sequence 10447, A
54	19.2	64.0	554	3	US-09-864-761-16533	Sequence 16533, A
55	19.2	64.0	2600	7	US-10-437-963-52472	Sequence 52472, A
56	19.2	64.0	10437	9	US-10-450-763-4517	Sequence 4517, App
57	19.2	64.0	14392	6	US-10-172-118-1055	Sequence 1055, App
58	19.2	64.0	14392	6	US-10-172-118-1055	Sequence 1055, App
59	19.2	64.0	14392	8	US-10-473-887-1055	Sequence 1055, App
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61	19.2	64.0	14392	9	US-10-755-149-1892	Sequence 1892, App
62	19.2	64.0	14392	9	US-10-450-763-4521	Sequence 4521, App
63	19.2	64.0	15316	7	US-10-198-846-12587	Sequence 12587, A
64	19.2	64.0	15471	5	US-10-741-601-10	Sequence 10, Appl
65	19.2	64.0	15471	5	US-10-741-601-10	Sequence 10, Appl
66	19.2	64.0	33249	6	US-10-242-355-1132	Sequence 1132, App
67	19.2	64.0	241805	7	US-10-741-601-5621	Sequence 5621, App
68	19.2	64.0	241805	7	US-10-741-601-5621	Sequence 5621, App
69	19.2	64.0	502	4	US-09-925-065A-520785	Sequence 520785, A
70	19.2	64.0	600	9	US-10-972-079-7487	Sequence 7487, App
71	19.2	64.0	633	4	US-09-925-065A-520786	Sequence 520786, A
72	19.2	64.0	633	4	US-09-925-065A-239314	Sequence 239314, A
73	19.2	64.0	641	4	US-09-925-065A-239315	Sequence 239315, A
74	19.2	64.0	698	8	US-10-653-047-1282	Sequence 7282, App
75	19.2	64.0	218802	9	US-10-897-508-1	Sequence 1, Appl
76	18.8	62.7	249	3	US-09-864-761-18945	Sequence 28945, A
77	18.8	62.7	303	6	US-10-006-285-5	Sequence 5, Appl
78	18.8	62.7	482	4	US-09-925-065A-160556	Sequence 160556, A
79	18.8	62.7	533	3	US-09-864-761-12366	Sequence 12366, A
80	18.8	62.7	540	4	US-09-925-065A-494704	Sequence 494704, A
81	18.8	62.7	545	4	US-09-925-065A-494705	Sequence 494705, A
82	18.8	62.7	545	4	US-09-925-065A-953627	Sequence 953627, A
83	18.8	62.7	556	6	US-09-925-065A-366471	Sequence 366471, A
84	18.8	62.7	556	6	US-10-029-386-10215	Sequence 10215, A
85	18.8	62.7	570	4	US-09-925-065A-742903	Sequence 742903, A
86	18.8	62.7	570	4	US-09-925-065A-370917	Sequence 370917, A
87	18.8	62.7	598	4	US-09-925-065A-360008	Sequence 360008, A
88	18.8	62.7	598	4	US-09-925-065A-447673	Sequence 447673, A
89	18.8	62.7	609	9	US-10-972-079-17432	Sequence 17432, A
90	18.8	62.7	613	4	US-09-925-065A-185321	Sequence 185321, A
91	18.8	62.7	613	4	US-09-925-065A-274581	Sequence 274581, A
92	18.8	62.7	615	4	US-09-925-065A-658176	Sequence 658176, A
93	18.8	62.7	616	4	US-09-925-065A-447676	Sequence 447676, A
94	18.8	62.7	619	4	US-09-925-065A-878609	Sequence 878609, A
95	18.8	62.7	627	5	US-10-027-632-181802	Sequence 181802, A
96	18.8	62.7	627	5	US-10-027-632-181803	Sequence 181803, A
97	18.8	62.7	627	5	US-10-027-632-181804	Sequence 181804, A

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98	18.8	62.7	627	6	US-10-027-632-181803	Sequence 181803,	171	18.4	61.3	38764	7	US-09-997-722-286	Sequence 286, App
99	18.8	62.7	627	6	US-10-027-632-181804	Sequence 181804,	172	18.4	61.3	56577	5	US-10-087-192-196	Sequence 196, App
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101	18.8	62.7	628	4	US-09-925-065A-285255	Sequence 285255,	174	18.4	61.3	218155	5	US-10-087-192-400	Sequence 32, App
102	18.8	62.7	657	7	US-10-767-701-25138	Sequence 25138, A	175	18.4	61.3	705636	9	US-10-737-082-30	Sequence 400, App
103	18.8	62.7	1088	4	US-09-925-065A-882	Sequence 882, App	176	18.4	61.3	705636	9	US-10-765-790-30	Sequence 30, App
104	18.8	62.7	1223	6	US-10-006-285-252	Sequence 252, App	177	18.2	60.7	447	4	US-09-925-065A-112581	Sequence 112581,
105	18.8	62.7	1900	6	US-10-104-047-1883	Sequence 1883, App	178	18.2	60.7	544	9	US-10-727-100-207	Sequence 207, App
106	18.8	62.7	2299	4	US-09-925-065A-12488	Sequence 12488, A	179	18.2	60.7	552	9	US-10-727-100-207	Sequence 236, App
107	18.8	62.7	2299	4	US-09-925-065A-12489	Sequence 12489, A	180	18.2	60.7	595	9	US-10-727-100-207	Sequence 210, App
108	18.8	62.7	2299	4	US-09-925-065A-12490	Sequence 12490, A	181	18.2	60.7	771	10	US-11-097-143-35702	Sequence 35702, A
109	18.8	62.7	2299	4	US-09-925-065A-12491	Sequence 12491, A	182	18.2	60.7	1018	10	US-09-925-065A-699673	Sequence 699673,
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111	18.8	62.7	2488	3	US-09-981-151A-7	Sequence 7, App1	184	18.2	60.7	50000	7	US-10-681-199-8	Sequence 8, App1
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114	18.8	62.7	2974	6	US-10-104-047-772	Sequence 772, App	187	18.2	60.7	337022	7	US-10-322-281-79	Sequence 79, App1
115	18.8	62.7	3054	4	US-09-925-065A-684134	Sequence 684134,	188	18	60.0	413	8	US-10-674-124A-5224	Sequence 5224, App
116	18.8	62.7	3054	4	US-09-925-065A-684135	Sequence 684135,	189	18	60.0	471	3	US-09-030-061-14	Sequence 14, App1
117	18.8	62.7	3257	6	US-10-108-260A-1088	Sequence 1088, App	190	18	60.0	471	3	US-09-030-061-14	Sequence 14, App1
118	18.8	62.7	3257	6	US-10-108-260A-1088	Sequence 1088, App	191	18	60.0	471	3	US-10-100-057-14	Sequence 14, App1
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121	18.8	62.7	3675	6	US-10-330-176-1	Sequence 1, App1	194	18	60.0	471	5	US-10-260-576-16	Sequence 16, App1
122	18.8	62.7	3675	9	US-10-725-107-16	Sequence 16, App1	195	18	60.0	471	5	US-10-260-576-16	Sequence 16, App1
123	18.8	62.7	3675	9	US-10-804-457-3	Sequence 3, App1	196	18	60.0	471	5	US-10-260-576-16	Sequence 16, App1
124	18.8	62.7	4042	5	US-10-217-774-5	Sequence 5, App1	197	18	60.0	471	5	US-10-260-576-16	Sequence 16, App1
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126	18.8	62.7	4042	9	US-10-804-457-5	Sequence 5, App1	199	18	60.0	534	4	US-09-925-065A-151809	Sequence 151809,
127	18.8	62.7	20311	8	US-10-399-645-19	Sequence 19, App1	200	18	60.0	563	4	US-09-925-065A-257939	Sequence 257939,
128	18.8	62.7	24859	8	US-10-719-993-7068	Sequence 7068, App	201	18	60.0	580	8	US-10-425-115-16222	Sequence 46222, A
129	18.8	62.7	34151	8	US-10-087-192-1213	Sequence 1213, App	202	18	60.0	593	5	US-10-027-632-166570	Sequence 266570,
130	18.8	62.7	194049	5	US-10-331-053-37	Sequence 37, App1	203	18	60.0	593	5	US-10-027-632-166571	Sequence 266571,
131	18.8	62.7	194049	5	US-10-087-192-1495	Sequence 1495, App	204	18	60.0	593	6	US-10-027-632-166570	Sequence 266570,
132	18.8	62.7	215221	5	US-10-087-192-1360	Sequence 1360, App	205	18	60.0	618	4	US-10-027-632-166571	Sequence 266571,
133	18.8	62.7	340449	3	US-09-903-582-3	Sequence 3, App1	206	18	60.0	631	4	US-09-925-065A-418318	Sequence 418318,
134	18.6	62.0	484	4	US-09-925-065A-304607	Sequence 304607,	207	18	60.0	631	4	US-09-925-065A-418318	Sequence 418318,
135	18.6	62.0	511	4	US-09-925-065A-116487	Sequence 116487,	208	18	60.0	631	4	US-09-925-065A-799555	Sequence 799555,
136	18.6	62.0	511	4	US-09-925-065A-116488	Sequence 116488,	209	18	60.0	635	4	US-09-925-065A-803831	Sequence 803831,
137	18.6	62.0	511	4	US-09-925-065A-116489	Sequence 116489,	210	18	60.0	635	4	US-09-925-065A-803832	Sequence 803832,
138	18.6	62.0	516	4	US-09-925-065A-116490	Sequence 116490,	211	18	60.0	635	4	US-09-925-065A-803833	Sequence 803833,
139	18.6	62.0	516	4	US-09-925-065A-525799	Sequence 525799,	212	18	60.0	635	4	US-09-925-065A-803834	Sequence 803834,
140	18.6	62.0	570	4	US-09-925-065A-470016	Sequence 470016,	213	18	60.0	650	3	US-09-925-065A-803834	Sequence 803834,
141	18.6	62.0	570	4	US-09-925-065A-470017	Sequence 470017,	214	18	60.0	729	3	US-09-814-353-17056	Sequence 17056, A
142	18.6	62.0	570	4	US-09-925-065A-470018	Sequence 470018,	215	18	60.0	768	5	US-10-027-632-162540	Sequence 162540,
143	18.6	62.0	600	9	US-10-972-079-32575	Sequence 32575, A	216	18	60.0	768	5	US-10-027-632-162540	Sequence 162540,
144	18.6	62.0	629	4	US-09-925-065A-938706	Sequence 938706,	217	18	60.0	776	6	US-10-027-632-10668	Sequence 10668, A
145	18.6	62.0	629	4	US-09-925-065A-939181	Sequence 939181,	218	18	60.0	776	6	US-10-027-632-10668	Sequence 10668, A
146	18.4	61.3	374	8	US-10-425-115-25773	Sequence 25773, A	219	18	60.0	791	3	US-09-764-853-305	Sequence 305, App
147	18.4	61.3	436	4	US-09-925-065A-256482	Sequence 256482,	220	18	60.0	791	3	US-09-764-853-305	Sequence 305, App
148	18.4	61.3	436	4	US-09-925-065A-256483	Sequence 256483,	221	18	60.0	1207	5	US-10-091-438-36	Sequence 36, App1
149	18.4	61.3	436	4	US-09-925-065A-256484	Sequence 256484,	222	18	60.0	1268	6	US-09-764-853-65	Sequence 65, App1
150	18.4	61.3	447	3	US-09-974-300-3585	Sequence 3585, App	223	18	60.0	1341	6	US-10-023-634-31	Sequence 31, App1
151	18.4	61.3	580	4	US-09-925-065A-542744	Sequence 542744,	224	18	60.0	1407	6	US-10-023-634-31	Sequence 31, App1
152	18.4	61.3	668	7	US-10-452-858C-54	Sequence 54, App1	225	18	60.0	1473	3	US-09-965-529-56	Sequence 56, App1
153	18.4	61.3	833	3	US-09-997-722-287	Sequence 287, App	226	18	60.0	1473	3	US-09-965-529-56	Sequence 56, App1
154	18.4	61.3	1095	7	US-10-424-599-57246	Sequence 57246, App	227	18	60.0	1473	3	US-09-965-529-56	Sequence 56, App1
155	18.4	61.3	1187	5	US-10-424-599-57246	Sequence 57246, App	228	18	60.0	1590	6	US-10-023-634-21	Sequence 21, App1
156	18.4	61.3	1349	6	US-10-027-632-123631	Sequence 123631,	229	18	60.0	1593	6	US-10-023-634-23	Sequence 23, App1
157	18.4	61.3	1349	6	US-10-027-632-123631	Sequence 123631,	230	18	60.0	1680	9	US-10-450-763-15072	Sequence 15072, A
158	18.4	61.3	1483	6	US-10-101-510-501	Sequence 501, App	231	18	60.0	1726	6	US-10-450-763-15072	Sequence 15072, A
159	18.4	61.3	1483	6	US-10-101-510-501	Sequence 501, App	232	18	60.0	1726	6	US-10-450-763-15072	Sequence 15072, A
160	18.4	61.3	1484	6	US-10-221-278-103	Sequence 103, App	233	18	60.0	2034	4	US-09-925-065A-14812	Sequence 14812, A
161	18.4	61.3	1524	5	US-10-119-928-60	Sequence 119, App	234	18	60.0	2034	4	US-09-925-065A-152868	Sequence 152868,
162	18.4	61.3	2099	4	US-09-925-065A-58556	Sequence 58556, A	235	18	60.0	2034	5	US-10-027-632-261774	Sequence 261774,
163	18.4	61.3	4107	8	US-10-425-115-139445	Sequence 139445,	236	18	60.0	2034	5	US-10-027-632-261775	Sequence 261775,
164	18.4	61.3	5318	3	US-09-070-927A-108	Sequence 108, App	237	18	60.0	2034	6	US-10-027-632-261776	Sequence 261776,
165	18.4	61.3	13980	3	US-10-987-801-11	Sequence 11, App1	238	18	60.0	2034	6	US-10-027-632-261775	Sequence 261775,
166	18.4	61.3	26225	3	US-09-764-869-1376	Sequence 1276, App	239	18	60.0	2034	6	US-10-027-632-261776	Sequence 261776,
167	18.4	61.3	26225	3	US-09-984-429-448	Sequence 448, App	240	18	60.0	7890	6	US-10-238-075-1455	Sequence 1425, App
168	18.4	61.3	26225	5	US-10-091-504-1276	Sequence 1276, App	241	18	60.0	11788	6	US-10-316-253-263	Sequence 263, App
169	18.4	61.3	26225	6	US-10-227-577-1276	Sequence 1276, App	242	18	60.0	11788	7	US-10-205-331-3	Sequence 3, App1

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 21:54:48 ; Search time 396.522 Seconds

(without alignments)  
176.412 Million cell updates/sec

Title: US-10-625-124-14

Perfect score: 30

Sequence: 1 tggctcgcattatctcgcagccagaagta 30

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues 16046624

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	21	70.0	530	6	US-09-925-065A-369306 Sequence 363306, A
2	21	70.0	606	6	US-09-925-065A-190656 Sequence 190656, A
3	20.4	68.0	620	6	US-09-925-065A-314013 Sequence 314013, A
4	19.8	66.0	564	6	US-09-925-065A-673935 Sequence 673935, A
5	19.6	65.3	652	6	US-09-925-065A-489092 Sequence 489092, A
6	19.6	65.3	652	6	US-09-925-065A-489092 Sequence 489092, A
7	19.4	64.7	431	6	US-09-925-065A-185398 Sequence 185398, A
8	19.4	64.7	431	6	US-09-925-065A-185398 Sequence 185398, A
9	19.4	64.7	606	6	US-09-925-065A-86879 Sequence 86879, A
10	19.4	64.7	659	6	US-09-925-065A-262595 Sequence 262595, A
11	19.4	64.7	676	6	US-09-925-065A-262596 Sequence 262596, A
12	19.2	64.0	201	8	US-09-925-065A-894448 Sequence 894448, A
13	19.2	64.0	201	8	US-09-925-065A-894448 Sequence 894448, A
14	19.2	64.0	201	8	US-09-925-065A-894448 Sequence 894448, A
15	19.2	64.0	14392	9	US-11-245-17-244 Sequence 18813, A
16	19.2	64.0	14392	9	US-11-245-17-244 Sequence 18813, A
17	19.2	64.0	15471	8	US-10-995-561-39 Sequence 244, App
18	19.2	64.0	241805	8	US-10-995-561-39 Sequence 363, App
19	19.2	64.0	502	6	US-09-925-065A-520785 Sequence 12315, A
20	19	63.3	639	6	US-09-925-065A-520786 Sequence 520786, A

C 21	19	63.3	641	6	US-09-925-065A-239314 Sequence 239314, A
C 22	19	63.3	641	6	US-09-925-065A-239315 Sequence 239315, A
C 23	19	63.3	1665	8	US-10-750-185-26143 Sequence 26143, A
C 24	19	63.3	1665	8	US-10-750-185-26143 Sequence 26143, A
C 25	19	63.3	90401	7	US-10-330-773-492 Sequence 492, App
C 26	18.8	62.7	201	12	US-11-124-368A-4098 Sequence 4098, App
C 27	18.8	62.7	363	12	US-11-043-752-1234 Sequence 1234, App
C 28	18.8	62.7	482	6	US-09-925-065A-160556 Sequence 160556, A
C 29	18.8	62.7	540	6	US-09-925-065A-494704 Sequence 494704, A
C 30	18.8	62.7	540	6	US-09-925-065A-494705 Sequence 494705, A
C 31	18.8	62.7	545	6	US-09-925-065A-953627 Sequence 953627, A
C 32	18.8	62.7	546	6	US-09-925-065A-366471 Sequence 366471, A
C 33	18.8	62.7	570	6	US-09-925-065A-742803 Sequence 742803, A
C 34	18.8	62.7	570	6	US-09-925-065A-370917 Sequence 370917, A
C 35	18.8	62.7	598	6	US-09-925-065A-360008 Sequence 360008, A
C 36	18.8	62.7	598	6	US-09-925-065A-447673 Sequence 447673, A
C 37	18.8	62.7	609	6	US-09-925-065A-353321 Sequence 353321, A
C 38	18.8	62.7	613	6	US-09-925-065A-274581 Sequence 274581, A
C 39	18.8	62.7	613	6	US-09-925-065A-658176 Sequence 658176, A
C 40	18.8	62.7	616	6	US-09-925-065A-447676 Sequence 447676, A
C 41	18.8	62.7	628	6	US-09-925-065A-878609 Sequence 878609, A
C 42	18.8	62.7	628	6	US-09-925-065A-285254 Sequence 285254, A
C 43	18.8	62.7	628	6	US-09-925-065A-285255 Sequence 285255, A
C 44	18.8	62.7	1088	6	US-09-925-065A-882 Sequence 882, App
C 45	18.8	62.7	1339	8	US-10-750-185-60213 Sequence 60213, A
C 46	18.8	62.7	1339	8	US-10-750-623-60213 Sequence 60213, A
C 47	18.8	62.7	1900	9	US-11-072-512-1883 Sequence 1883, App
C 48	18.8	62.7	2299	6	US-09-925-065A-12488 Sequence 12488, A
C 49	18.8	62.7	2299	6	US-09-925-065A-12489 Sequence 12489, A
C 50	18.8	62.7	2299	6	US-09-925-065A-12490 Sequence 12490, A
C 51	18.8	62.7	2299	6	US-09-925-065A-12491 Sequence 12491, A
C 52	18.8	62.7	2974	12	US-11-109-157A-30 Sequence 30, App
C 53	18.8	62.7	2974	12	US-11-072-512-1772 Sequence 772, App
C 54	18.8	62.7	3054	6	US-09-925-065A-684134 Sequence 684134, A
C 55	18.8	62.7	3054	6	US-09-925-065A-684135 Sequence 684135, A
C 56	18.8	62.7	3675	7	US-10-509-565A-1 Sequence 1, App
C 57	18.8	62.0	484	6	US-09-925-065A-304607 Sequence 304607, A
C 58	18.6	62.0	511	6	US-09-925-065A-116487 Sequence 116487, A
C 59	18.6	62.0	511	6	US-09-925-065A-116488 Sequence 116488, A
C 60	18.6	62.0	511	6	US-09-925-065A-116489 Sequence 116489, A
C 61	18.6	62.0	511	6	US-09-925-065A-116490 Sequence 116490, A
C 62	18.6	62.0	516	6	US-09-925-065A-525799 Sequence 525799, A
C 63	18.6	62.0	516	6	US-09-925-065A-525800 Sequence 525800, A
C 64	18.6	62.0	570	6	US-09-925-065A-470016 Sequence 470016, A
C 65	18.6	62.0	570	6	US-09-925-065A-470017 Sequence 470017, A
C 66	18.6	62.0	570	6	US-09-925-065A-470018 Sequence 470018, A
C 67	18.6	62.0	628	6	US-09-925-065A-938706 Sequence 938706, A
C 68	18.6	62.0	629	6	US-09-925-065A-938706 Sequence 938706, A
C 69	18.6	62.0	12724	12	US-11-124-367A-5094 Sequence 5094, App
C 70	18.4	61.3	201	12	US-11-124-368A-18519 Sequence 18519, A
C 71	18.4	61.3	436	6	US-09-925-065A-256482 Sequence 256482, A
C 72	18.4	61.3	436	6	US-09-925-065A-256483 Sequence 256483, A
C 73	18.4	61.3	436	6	US-09-925-065A-256484 Sequence 256484, A
C 74	18.4	61.3	2099	6	US-09-925-065A-547744 Sequence 547744, A
C 75	18.4	61.3	2099	6	US-09-925-065A-547744 Sequence 547744, A
C 76	18.4	61.3	2500	12	US-11-128-049-1105 Sequence 1105, App
C 77	18.4	61.3	2500	12	US-11-128-049-1105 Sequence 1105, App
C 78	18.4	61.3	2641	8	US-10-510-386-123 Sequence 123, App
C 79	18.4	61.3	2641	8	US-10-510-386-123 Sequence 123, App
C 80	18.4	61.3	81656	7	US-10-330-773-853 Sequence 773, App
C 81	18.4	61.3	98309	12	US-11-124-368A-29221 Sequence 29221, App
C 82	18.2	60.7	477	6	US-09-925-065A-11581 Sequence 11581, App
C 83	18.2	60.7	1018	6	US-09-925-065A-696673 Sequence 696673, A
C 84	18.2	60.7	517	6	US-09-925-065A-763160 Sequence 763160, A
C 85	18	60.0	534	6	US-09-925-065A-154809 Sequence 154809, A
C 86	18	60.0	563	6	US-09-925-065A-257939 Sequence 257939, A
C 87	18	60.0	618	6	US-09-925-065A-418318 Sequence 418318, A
C 88	18	60.0	631	6	US-09-925-065A-118605 Sequence 118605, A
C 89	18	60.0	631	6	US-09-925-065A-799555 Sequence 799555, A
C 90	18	60.0	635	6	US-09-925-065A-803831 Sequence 803831, A
C 91	18	60.0	635	6	US-09-925-065A-803832 Sequence 803832, A
C 92	18	60.0	635	6	US-09-925-065A-803833 Sequence 803833, A
C 93	18	60.0	635	6	US-09-925-065A-803834 Sequence 803834, A

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97	18	60.0	734	8	US-10-750-623-49676	Sequence 49676, A	170	17.4	58.0	603	6	US-09-925-065A-678481	Sequence 678481,
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C 100	18	60.0	2034	6	US-09-925-065A-552868	Sequence 552868, A	173	17.4	58.0	629	6	US-09-925-065A-325553	Sequence 325553,
C 101	18	60.0	130733	12	US-11-121-086-19	Sequence 19, App1	174	17.4	58.0	643	6	US-09-925-065A-923197	Sequence 923197,
C 102	18	60.0	215126	7	US-10-330-773-339	Sequence 339, App1	175	17.4	58.0	647	6	US-09-925-065A-672164	Sequence 672164,
C 103	17.8	59.3	201	12	US-11-124-367A-97116	Sequence 9716, Ap	176	17.4	58.0	1217	6	US-09-925-065A-673262	Sequence 673262,
C 104	17.8	59.3	201	12	US-11-124-367A-12753	Sequence 12753, A	177	17.4	58.0	1217	6	US-09-925-065A-673262	Sequence 673262,
C 105	17.8	59.3	492	6	US-09-925-065A-518572	Sequence 518572, A	178	17.4	58.0	1288	8	US-10-750-185-53184	Sequence 53184, A
C 106	17.8	59.3	495	6	US-09-925-065A-347567	Sequence 347567, A	179	17.4	58.0	1326	8	US-09-925-065A-699469	Sequence 699469, A
C 107	17.8	59.3	571	6	US-09-925-065A-767810	Sequence 767810, A	C 180	17.4	58.0	1326	8	US-09-925-065A-699470	Sequence 699470, A
C 108	17.8	59.3	571	6	US-09-925-065A-877116	Sequence 877116, A	C 179	17.4	58.0	1397	8	US-10-750-185-64333	Sequence 64333, A
C 109	17.8	59.3	592	6	US-09-925-065A-877117	Sequence 877117, A	C 181	17.4	58.0	1397	8	US-10-750-185-64333	Sequence 64333, A
C 110	17.8	59.3	592	6	US-09-925-065A-877118	Sequence 877118, A	C 182	17.4	58.0	1397	8	US-10-750-185-64333	Sequence 64333, A
C 111	17.8	59.3	595	6	US-09-925-065A-877118	Sequence 877118, A	C 183	17.4	58.0	1397	8	US-10-750-185-64333	Sequence 64333, A
C 112	17.8	59.3	609	6	US-09-925-065A-163680	Sequence 163680, A	C 184	17.4	58.0	1686	7	US-10-925-182A-1117	Sequence 1117, Ap
C 113	17.8	59.3	621	6	US-09-925-065A-163680	Sequence 163680, A	C 185	17.4	58.0	1925	8	US-10-750-185-32416	Sequence 32416, A
C 114	17.8	59.3	621	6	US-09-925-065A-518572	Sequence 518572, A	C 187	17.4	58.0	1925	8	US-10-750-185-32416	Sequence 32416, A
C 115	17.8	59.3	621	6	US-09-925-065A-518572	Sequence 518572, A	C 188	17.4	58.0	2203	8	US-10-750-185-48392	Sequence 48392, A
C 116	17.8	59.3	622	6	US-09-925-065A-762132	Sequence 762132, A	C 190	17.4	58.0	2203	8	US-10-750-185-48392	Sequence 48392, A
C 117	17.8	59.3	636	6	US-09-925-065A-736772	Sequence 736772, A	C 191	17.4	58.0	9132	12	US-11-136-527-2062	Sequence 2062, Ap
C 118	17.8	59.3	636	6	US-09-925-065A-736772	Sequence 736772, A	C 192	17.2	57.3	169725	12	US-11-121-086-63	Sequence 2062, Ap
C 119	17.8	59.3	645	6	US-09-925-065A-760645	Sequence 760645, A	C 193	17.2	57.3	177	6	US-09-925-065A-236753	Sequence 236753, A
C 120	17.8	59.3	647	6	US-09-925-065A-736620	Sequence 736620, A	C 194	17.2	57.3	177	6	US-09-925-065A-236753	Sequence 236753, A
C 121	17.8	59.3	756	12	US-11-234-786-34	Sequence 34, App1	C 195	17.2	57.3	390	6	US-09-925-065A-596637	Sequence 596637, A
C 122	17.8	59.3	1162	6	US-09-925-065A-708721	Sequence 708721, A	C 196	17.2	57.3	441	6	US-09-925-065A-490481	Sequence 490481, A
C 123	17.8	59.3	1572	7	US-10-063-703-13	Sequence 13, App1	C 197	17.2	57.3	462	6	US-09-925-065A-518190	Sequence 518190, A
C 124	17.8	59.3	1572	9	US-10-063-703-13	Sequence 13, App1	C 198	17.2	57.3	507	6	US-09-925-065A-518190	Sequence 518190, A
C 125	17.8	59.3	1572	9	US-11-103-195-13	Sequence 13, App1	C 199	17.2	57.3	508	6	US-09-925-065A-135297	Sequence 135297, A
C 126	17.8	59.3	1572	12	US-11-103-195-13	Sequence 13, App1	C 200	17.2	57.3	513	6	US-09-925-065A-630351	Sequence 630351, A
C 127	17.8	59.3	1713	8	US-10-750-185-37058	Sequence 37058, A	C 201	17.2	57.3	518	6	US-09-925-065A-433461	Sequence 433461, A
C 128	17.8	59.3	1713	8	US-10-750-623-37058	Sequence 37058, A	C 202	17.2	57.3	518	6	US-09-925-065A-433462	Sequence 433462, A
C 129	17.8	59.3	2244	6	US-09-925-065A-548183	Sequence 548183, A	C 203	17.2	57.3	519	6	US-09-925-065A-444620	Sequence 444620, A
C 130	17.8	59.3	3657	9	US-11-072-512-597	Sequence 597, App	C 204	17.2	57.3	521	6	US-09-925-065A-464420	Sequence 464420, A
C 131	17.8	59.3	4399	8	US-10-750-185-52104	Sequence 52104, A	C 205	17.2	57.3	535	6	US-09-925-065A-518191	Sequence 518191, A
C 132	17.8	59.3	4399	8	US-10-750-623-52104	Sequence 52104, A	C 206	17.2	57.3	536	6	US-09-925-065A-311037	Sequence 311037, A
C 133	17.8	59.3	162173	12	US-11-121-086-72	Sequence 72, App1	C 207	17.2	57.3	538	6	US-09-925-065A-125900	Sequence 125900, A
C 134	17.8	59.3	174600	7	US-10-330-773-497	Sequence 497, App1	C 208	17.2	57.3	547	6	US-09-925-065A-498419	Sequence 498419, A
C 135	17.6	58.7	396	6	US-09-925-065A-132014	Sequence 132014, A	C 209	17.2	57.3	547	6	US-09-925-065A-498419	Sequence 498419, A
C 136	17.6	58.7	417	6	US-09-925-065A-225609	Sequence 225609, A	C 210	17.2	57.3	547	6	US-09-925-065A-498419	Sequence 498419, A
C 137	17.6	58.7	575	6	US-09-925-065A-433744	Sequence 433744, A	C 211	17.2	57.3	562	6	US-09-925-065A-547495	Sequence 547495, A
C 138	17.6	58.7	575	6	US-09-925-065A-433745	Sequence 433745, A	C 212	17.2	57.3	563	6	US-09-925-065A-831020	Sequence 831020, A
C 139	17.6	58.7	575	6	US-09-925-065A-433746	Sequence 433746, A	C 213	17.2	57.3	575	6	US-09-925-065A-240476	Sequence 240476, A
C 140	17.6	58.7	586	6	US-09-925-065A-911246	Sequence 911246, A	C 214	17.2	57.3	577	6	US-09-925-065A-255717	Sequence 255717, A
C 141	17.6	58.7	612	6	US-09-925-065A-911246	Sequence 911246, A	C 215	17.2	57.3	577	6	US-09-925-065A-255717	Sequence 255717, A
C 142	17.6	58.7	616	6	US-09-925-065A-913175	Sequence 913175, A	C 216	17.2	57.3	578	6	US-09-925-065A-628594	Sequence 628594, A
C 143	17.6	58.7	628	6	US-09-925-065A-909906	Sequence 909906, A	C 217	17.2	57.3	589	6	US-09-925-065A-542136	Sequence 542136, A
C 144	17.6	58.7	632	6	US-09-925-065A-887171	Sequence 887171, A	C 218	17.2	57.3	590	6	US-09-925-065A-827780	Sequence 827780, A
C 145	17.6	58.7	638	6	US-09-925-065A-887171	Sequence 887171, A	C 219	17.2	57.3	591	6	US-09-925-065A-827780	Sequence 827780, A
C 146	17.6	58.7	987	8	US-10-821-234-610	Sequence 610, App	C 220	17.2	57.3	591	6	US-09-925-065A-593632	Sequence 593632, A
C 147	17.6	58.7	1128	8	US-10-467-657-8131	Sequence 8131, App	C 221	17.2	57.3	591	6	US-09-925-065A-593632	Sequence 593632, A
C 148	17.6	58.7	1248	8	US-10-750-185-50103	Sequence 50103, A	C 222	17.2	57.3	601	6	US-09-925-065A-415999	Sequence 415999, A
C 149	17.6	58.7	1248	8	US-10-750-623-50103	Sequence 50103, A	C 223	17.2	57.3	601	6	US-09-925-065A-415999	Sequence 415999, A
C 150	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 224	17.2	57.3	603	6	US-09-925-065A-123788	Sequence 123788, A
C 151	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 225	17.2	57.3	607	6	US-09-925-065A-812999	Sequence 812999, A
C 152	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 226	17.2	57.3	608	6	US-09-925-065A-812999	Sequence 812999, A
C 153	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 227	17.2	57.3	610	6	US-09-925-065A-812999	Sequence 812999, A
C 154	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 228	17.2	57.3	612	6	US-09-925-065A-812999	Sequence 812999, A
C 155	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 229	17.2	57.3	616	6	US-09-925-065A-812999	Sequence 812999, A
C 156	17.6	58.7	1248	8	US-10-750-623-32534	Sequence 32534, A	C 230	17.2	57.3	618	6	US-09-925-065A-812999	Sequence 812999, A
C 157	17.4	58.0	379	6	US-09-925-065A-187581	Sequence 187581, A	C 231	17.2	57.3	618	6	US-09-925-065A-812999	Sequence 812999, A
C 158	17.4	58.0	476	6	US-09-925-065A-359405	Sequence 359405, A	C 232	17.2	57.3	625	6	US-09-925-065A-817804	Sequence 817804, A
C 159	17.4	58.0	502	6	US-09-925-065A-406648	Sequence 406648, A	C 233	17.2	57.3	625	6	US-09-925-065A-817804	Sequence 817804, A
C 160	17.4	58.0	511	6	US-09-925-065A-766699	Sequence 766699, A	C 234	17.2	57.3	625	6	US-09-925-065A-817804	Sequence 817804, A
C 161	17.4	58.0	532	6	US-09-925-065A-487589	Sequence 487589, A	C 235	17.2	57.3	629	6	US-09-925-065A-108135	Sequence 108135, A
C 162	17.4	58.0	556	7	US-10-475-075-558	Sequence 558, App	C 236	17.2	57.3	636	6	US-09-925-065A-664957	Sequence 664957, A
C 163	17.4	58.0	572	6	US-09-925-065A-440795	Sequence 440795, A	C 237	17.2	57.3	636	6	US-09-925-065A-664957	Sequence 664957, A
C 164	17.4	58.0	572	6	US-09-925-065A-240796	Sequence 240796, A	C 238	17.2	57.3	636	6	US-09-925-065A-664957	Sequence 664957, A
C 165	17.4	58.0	573	6	US-09-925-065A-321318	Sequence 321318, A	C 239	17.2	57.3	643	6	US-09-925-065A-724585	Sequence 724585, A
C 166	17.4	58.0	573	6	US-09-925-065A-321319	Sequence 321319, A							

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:19:45 ; Search time 759.13 Seconds  
(without alignments)  
1497.594 Million cell updates/sec

Title: US-10-625-124-19

Perfect score: 20

Sequence: 1 gctgctcttctctctgcg 20

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database :

GenEmbl:\*  
1: gb\_ba:\*  
2: gb\_in:\*  
3: gb\_env:\*  
4: gb\_om:\*  
5: gb\_ov:\*  
6: gb\_pat:\*  
7: gb\_ph:\*  
8: gb\_pr:\*  
9: gb\_ro:\*  
10: gb\_sts:\*  
11: gb\_sy:\*  
12: gb\_un:\*  
13: gb\_vi:\*  
14: gb\_vlg:\*  
15: gb\_pl:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	273	6	CQ732303 Sequence
2	20	100.0	364	6	BD024016 Sequence
3	20	100.0	1253	6	AX884406 Sequence
4	20	100.0	1253	6	AX780260 Sequence
5	20	100.0	2011	8	BC012099 Sequence
6	20	100.0	2016	8	HSU03274 Sequence
7	20	100.0	12990	8	HSB25822 Sequence
8	20	100.0	147123	14	AC027030 Sequence
9	20	100.0	192031	8	AC027129 Sequence
10	20	100.0	192031	8	AC027129 Sequence
11	19	95.0	248419	5	BX470164 Sequence
12	19	90.0	2960	8	BC040597 Sequence
13	18	90.0	70453	8	AC116332 Sequence
14	18	90.0	116263	5	AC116332 Sequence
15	18	90.0	169103	8	AC078952 Sequence
16	18	90.0	174171	14	AC134519 Sequence
17	18	90.0	187136	8	AC114316 Sequence
18	18	90.0	188532	14	AC145036 Sequence

C 19	18	90.0	189748	14	AC140866
C 20	18	90.0	191889	14	AC140829
C 21	18	90.0	199718	5	CR974589
C 22	18	90.0	207268	5	AC146547
C 23	18	90.0	238725	14	AC140828
C 24	18	90.0	253373	14	AC154927
C 25	18	90.0	266579	14	AC153176
C 26	18	90.0	269301	14	AC102913
C 27	17.4	87.0	239	6	CQ705760
C 28	17.4	87.0	243	6	CQ701540
C 29	17.4	87.0	245	6	AX341740
C 30	17.4	87.0	255	6	AX395883
C 31	17.4	87.0	271	6	CQ663439
C 32	17.4	87.0	297	10	G30865
C 33	17.4	87.0	402	6	CQ715121
C 34	17.4	87.0	496	6	BD265344
C 35	17.4	87.0	496	6	AR401330
C 36	17.4	87.0	496	6	AX192783
C 37	17.4	87.0	544	6	AX396173
C 38	17.4	87.0	615	15	BT011314
C 39	17.4	87.0	674	6	BD124611
C 40	17.4	87.0	674	6	CQ779902
C 41	17.4	87.0	693	6	BD126570
C 42	17.4	87.0	693	6	CQ781861
C 43	17.4	87.0	788	15	BT010845
C 44	17.4	87.0	875	8	BC071982
C 45	17.4	87.0	1104	15	AK060937
C 46	17.4	87.0	1106	8	BC012994
C 47	17.4	87.0	1153	6	CQ981329
C 48	17.4	87.0	1153	6	CS030555
C 49	17.4	87.0	1153	6	CS036241
C 50	17.4	87.0	1153	6	CS039507
C 51	17.4	87.0	1153	6	CS045193
C 52	17.4	87.0	1153	6	AX683274
C 53	17.4	87.0	1169	8	BC008081
C 54	17.4	87.0	1180	6	AR275032
C 55	17.4	87.0	1180	8	HUMERPIA
C 56	17.4	87.0	1485	10	BV178067
C 57	17.4	87.0	1593	2	AY284689
C 58	17.4	87.0	1616	6	BD127146
C 59	17.4	87.0	1616	6	CQ782464
C 60	17.4	87.0	1616	8	AK074526
C 61	17.4	87.0	1872	6	CQ718742
C 62	17.4	87.0	1885	6	BD274914
C 63	17.4	87.0	1885	6	CS105040
C 64	17.4	87.0	1885	6	AR380617
C 65	17.4	87.0	1885	6	HUMMARKSG
C 66	17.4	87.0	2063	15	AK102549
C 67	17.4	87.0	2147	6	CQ497405
C 68	17.4	87.0	2174	6	CQ491533
C 69	17.4	87.0	2174	6	CQ497420
C 70	17.4	87.0	2315	15	AK102962
C 71	17.4	87.0	2474	8	AK093917
C 72	17.4	87.0	2516	8	BC089040
C 73	17.4	87.0	2589	6	BD134486
C 74	17.4	87.0	2589	6	BD274915
C 75	17.4	87.0	2589	6	CQ812260
C 76	17.4	87.0	2589	6	CQ899445
C 77	17.4	87.0	2589	6	CS105042
C 78	17.4	87.0	2589	6	AX017386
C 79	17.4	87.0	2589	6	AX525090
C 80	17.4	87.0	2589	8	HUMKCS
C 81	17.4	87.0	37854	8	AC004172
C 82	17.4	87.0	50174	8	EX001005
C 83	17.4	87.0	55113	8	HSUJ249H1
C 84	17.4	87.0	56173	8	AC011390
C 85	17.4	87.0	56570	8	EX247949
C 86	17.4	87.0	77224	14	CT009555
C 87	17.4	87.0	77573	5	EX649485
C 88	17.4	87.0	82182	14	AC165659
C 89	17.4	87.0	86314	9	AL772268
C 90	17.4	87.0	86854	8	CR788234
C 91	17.4	87.0	88412	8	CR759769

92	17.4	87.0	90335	15	ATT5N23	AL18650 Arabidops	165	17.4	87.0	284274	14	AC117062	AC117062 Rattus no
93	17.4	87.0	98461	15	ATT6H20	AL096859 Arabidops	166	17.4	87.0	319486	8	AF055066	AF055066 Homo sapi
94	17.4	87.0	105633	8	AL671561	AL096859 Human DNA	167	17.4	87.0	330950	14	AC157003	AC157003 Bos tauru
95	17.4	87.0	109221	14	CT009517	CT009517 Homo sapi	168	17.4	87.0	349980	6	CG039414	CG039414 Bos tauru
96	17.4	87.0	110000	1	BX950851_01	Continuation (2 of	169	17.4	87.0	349980	6	CG039414	CG039414 Bos tauru
97	17.4	87.0	110000	8	BA000025_21	Continuation (22 o	170	17.4	87.0	464	6	CQ430812	CQ430812 Sequence
98	17.4	87.0	110000	8	BA000041_16	Continuation (17 o	171	17.4	87.0	616	10	BV228598	BV228598 S23P6128
99	17.4	87.0	110000	15	AP008217_042	Continuation (17 o	172	17.4	87.0	653	10	BV407368	BV407368 S229P6280
100	17.4	87.0	110000	8	CR925767	Continuation (290	173	17.4	87.0	64455	14	AC068371	AC068371 Homo sapi
101	17.4	87.0	112545	8	AB023058	CR925767 Human DNA	174	17.4	87.0	112978	8	AC061505	AC061505 Homo sapi
102	17.4	87.0	114450	8	AB023058	CR925767 Human DNA	175	17.4	87.0	114149	8	AC022139	AC022139 Homo sapi
103	17.4	87.0	114511	15	AP004052	AB023058 Homo sapi	176	17.4	87.0	130349	8	AC011593	AC011593 Homo sapi
104	17.4	87.0	115003	5	BX005089	AP004052 Oryza sat	177	17.4	87.0	137927	14	AC072020	AC072020 Homo sapi
105	17.4	87.0	122241	14	AP004129	BX005089 Zebrafish	178	17.4	87.0	139766	14	AC156929	AC156929 Gallus ga
106	17.4	87.0	123768	8	EX927141	AP004129 Oryza sat	179	17.4	87.0	143514	14	AC163272	AC163272 Mus muscu
107	17.4	87.0	125405	8	EX927141	AL645933 Human DNA	180	17.4	87.0	154708	14	AC158259	AC158259 Oryzathor
108	17.4	87.0	130934	8	BX005428	BX927141 Human DNA	181	17.4	87.0	168955	14	AC150855	AC150855 Bos tauru
109	17.4	87.0	130985	8	HS243213	BX005428 Human DNA	182	17.4	87.0	169159	14	AC068171	AC068171 Homo sapi
110	17.4	87.0	134071	8	AC004861	AJ243213 Homo sapi	183	17.4	87.0	170590	14	AC061796	AC061796 Homo sapi
111	17.4	87.0	136551	8	AC004861	AC004861 Homo sapi	184	17.4	87.0	176459	8	AC055732	AC055732 Homo sapi
112	17.4	87.0	137074	8	AC123786	AC123786 Homo sapi	185	17.4	87.0	179686	14	AC023987	AC023987 Homo sapi
113	17.4	87.0	141016	14	AC148204	AC072020 Homo sapi	186	17.4	87.0	182322	9	AC102508	AC102508 Mus muscu
114	17.4	87.0	144631	8	AC069027	AC148204 Callidubu	187	17.4	87.0	183405	8	AC099056	AC099056 Homo sapi
115	17.4	87.0	145085	14	AC090261	AC069027 Homo sapi	188	17.4	87.0	204504	14	AC150645	AC150645 Bos tauru
116	17.4	87.0	145414	14	AL135919	AC090261 Homo sapi	189	17.4	87.0	209743	14	CR854904	CR854904 Danio rer
117	17.4	87.0	148624	14	AC084815	AL135919 Homo sapi	190	17.4	87.0	214370	9	AL683828	AL683828 Homo DNA
118	17.4	87.0	148834	8	HS377H14	AC084815 Homo sapi	191	17.4	87.0	216449	14	AF136379	AF136379 Bos tauru
119	17.4	87.0	154619	15	CR855263	AL022723 Human DNA	192	17.4	87.0	224199	14	AC110122	AC110122 Rattus no
120	17.4	87.0	154839	15	AC134047	CR855263 Danio rer	193	17.4	87.0	224199	14	AC110122	AC110122 Rattus no
121	17.4	87.0	157681	8	AC009051	AC134047 Oryza sat	194	17.4	87.0	224199	14	AC110122	AC110122 Rattus no
122	17.4	87.0	159188	14	AC037432	AC009051 Homo sapi	195	17.4	87.0	234183	9	AC118473	AC118473 Mus muscu
123	17.4	87.0	159264	14	AC092726	AC037432 Homo sapi	196	17.4	87.0	234183	9	AC118473	AC118473 Mus muscu
124	17.4	87.0	162237	9	AL845167	AC092726 Homo sapi	197	17.4	87.0	234960	14	AC108284	AC108284 Rattus no
125	17.4	87.0	162888	14	AC026953	AL845167 Mouse DNA	198	17.4	87.0	238246	14	AC105883	AC105883 Rattus no
126	17.4	87.0	164406	14	CR769769	AC026953 Homo sapi	199	17.4	87.0	244420	14	AC106576	AC106576 Rattus no
127	17.4	87.0	166488	14	AC021838	CR769769 Danio rer	200	17.4	87.0	247988	14	AC129043	AC129043 Rattus no
128	17.4	87.0	167900	14	AP001650	AC021838 Homo sapi	201	17.4	87.0	262917	14	AC097239	AC097239 Rattus no
129	17.4	87.0	169143	15	AP005825	AP001650 Homo sapi	202	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
130	17.4	87.0	169176	14	AC148744	AP005825 Oryza sat	203	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
131	17.4	87.0	175047	8	AC147705	AC148744 Macropus	204	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
132	17.4	87.0	175047	8	AC147705	AC147705 Papio anu	205	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
133	17.4	87.0	181487	14	CR938719	AC147705 Callidubu	206	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
134	17.4	87.0	193544	5	AL807754	CR938719 Homo sapi	207	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
135	17.4	87.0	197152	14	AC153740	AL807754 Danio rer	208	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
136	17.4	87.0	199885	8	AC099570	AC153740 Zebrafish	209	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
137	17.4	87.0	200006	14	AC166338	AC099570 Homo sapi	210	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
138	17.4	87.0	200368	9	AL671895	AC166338 Mus muscu	211	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
139	17.4	87.0	202958	14	AC154958	AL671895 Mouse DNA	212	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
140	17.4	87.0	206742	14	AC147208	AC154958 Bos tauru	213	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
141	17.4	87.0	212724	9	AC125252	AC147208 Xenopus t	214	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
142	17.4	87.0	213755	14	AC158412	AC125252 Mus muscu	215	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
143	17.4	87.0	215234	14	CR855319	AC158412 Cercopith	216	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
144	17.4	87.0	215731	14	AC152735	CR855319 Danio rer	217	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
145	17.4	87.0	215911	14	AC153237	AC152735 Bos tauru	218	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
146	17.4	87.0	221115	14	AC111437	AC153237 Bos tauru	219	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
147	17.4	87.0	223533	14	AC161419	AC111437 Rattus no	220	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
148	17.4	87.0	224753	5	AL954663	AC161419 Bos tauru	221	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
149	17.4	87.0	225164	9	AC163355	AL954663 Zebrafish	222	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
150	17.4	87.0	225547	9	AC163355	CR855270 Danio rer	223	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
151	17.4	87.0	225913	14	AC106979	AC163355 Mus muscu	224	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
152	17.4	87.0	235050	14	AC156488	AC106979 Rattus no	225	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
153	17.4	87.0	235321	14	AC157343	AC156488 Bos tauru	226	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
154	17.4	87.0	235321	14	AC157343	AC157343 Bos tauru	227	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
155	17.4	87.0	235321	14	AC157343	AC157343 Bos tauru	228	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
156	17.4	87.0	235321	14	AC157343	AC157343 Bos tauru	229	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
157	17.4	87.0	235321	14	AC157343	AC157343 Bos tauru	230	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
158	17.4	87.0	240561	14	AC129456	AC157343 Bos tauru	231	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
159	17.4	87.0	244167	14	AC156295	AC129456 Rattus no	232	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
160	17.4	87.0	248594	14	AC106590	AC156295 Bos tauru	233	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
161	17.4	87.0	250962	5	BX005412	AC106590 Rattus no	234	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
162	17.4	87.0	263557	14	AC125564	BX005412 Zebrafish	235	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
163	17.4	87.0	273631	14	AC162197	AC125564 Rattus no	236	17.4	87.0	262917	14	BV621247	BV621247 S217P6045
164	17.4	87.0	273960	14	AC163155	AC162197 Bos tauru	237	17.4	87.0	262917	14	BV621247	BV621247 S217P6045



GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 19:50:39 ; Search time 371.957 Seconds

(without alignments)  
358.359 Million cell updates/sec

Title: US-10-625-124-19

Perfect score: 20

Sequence: 1 gctgctcttctctcgcg 20

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : N\_Geneseq\_21:\*

1: geneseq1980s:\*

2: geneseq1990s:\*

3: geneseq2000s:\*

4: geneseq2001as:\*

5: geneseq2001bs:\*

6: geneseq2002as:\*

7: geneseq2002bs:\*

8: geneseq2003as:\*

9: geneseq2003bs:\*

10: geneseq2003cs:\*

11: geneseq2003ds:\*

12: geneseq2004as:\*

13: geneseq2004bs:\*

14: geneseq2005s:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	No.	Score	Query Match	Length	DB	ID	Description
C	1	20	100.0	20	13	ADU17707	ADU17707 PCR detec
C	2	20	100.0	187	10	ACD96713	ACD96713 Human col
C	3	20	100.0	364	3	AA002771	AA002771 Human sec
C	4	20	100.0	1253	10	ADP81861	ADf81861 Leukaemia
C	5	20	100.0	2016	13	ADR24560	ADR24560 Breast ca
C	6	20	100.0	2016	13	ADU17689	ADU17689 Human bio
C	7	20	100.0	12990	13	ADU17691	ADU17691 Human bio
C	8	17.4	87.0	245	6	ABL38398	ABL38398 Human col
C	9	17.4	87.0	255	6	ABK44547	ABK44547 CDNA encod
C	10	17.4	87.0	347	3	AAA15866	AAA15866 DNA encod
C	11	17.4	87.0	406	9	ACH20036	Ach20036 Human adu
C	12	17.4	87.0	477	6	ABV86978	ABV86978 Human col
C	13	17.4	87.0	496	3	AAA78063	AAA78063 CDNA encod
C	14	17.4	87.0	496	4	AAI28801	AAI28801 Colion tum
C	15	17.4	87.0	496	8	ABZ32987	ABZ32987 Human col
C	16	17.4	87.0	544	6	ABK44837	ABK44837 CDNA encod
C	17	17.4	87.0	597	6	ABQ66418	ABQ66418 Arabidops
C	18	17.4	87.0	674	4	AAK91582	AAK91582 Human CDN
C	19	17.4	87.0	674	12	ADL28009	ADL28009 5' end of

20	17.4	87.0	693	4	AAK93541	AAK93541 Human CDN
21	17.4	87.0	693	12	ADL28968	ADL28968 3' end of
22	17.4	87.0	1080	11	ACL27790	ACL27790 Rice abio
23	17.4	87.0	1153	8	ABZ75901	ABZ75901 Heart dls
24	17.4	87.0	1153	12	ADO87320	ADO87320 Human tum
25	17.4	87.0	1153	12	ADO87557	ADO87557 Human tum
26	17.4	87.0	1153	13	ACN38582	ACN38582 Tumour-as
27	17.4	87.0	1153	13	ADP56123	ADP56123 Human PRO
28	17.4	87.0	1153	13	ADU05962	ADU05962 Novel bro
29	17.4	87.0	1153	14	ADY14255	ADY14255 DNA encod
30	17.4	87.0	1153	14	ADY19941	ADY19941 DNA encod
31	17.4	87.0	1180	10	ADB31453	ADB31453 Bicalutam
32	17.4	87.0	1180	10	ADD14612	ADD14612 Human ELP
33	17.4	87.0	1180	14	ADZ75528	ADZ75528 Human ELP
34	17.4	87.0	1263	4	AAK51703	AAK51703 Human pol
35	17.4	87.0	1616	4	AAK94117	AAK94117 Human ful
36	17.4	87.0	1616	12	ADL30571	ADL30571 Full leng
37	17.4	87.0	1885	3	AA50339	AA50339 Human myr
38	17.4	87.0	1885	11	AD131836	AD131836 Human CDN
39	17.4	87.0	1885	13	AD883903	AD883903 Human lym
40	17.4	87.0	1999	2	AAQ04784	AAQ04784 Sequence
41	17.4	87.0	2147	5	ABV29254	ABV29254 Human pro
42	17.4	87.0	2174	5	ABV29269	ABV29269 Human pro
43	17.4	87.0	2174	5	ABV23411	ABV23411 Human pro
44	17.4	87.0	2589	3	AA50340	AA50340 Human myr
45	17.4	87.0	2589	6	ABK83589	ABK83589 Human CDN
46	17.4	87.0	2589	6	ABK64392	ABK64392 Human ben
47	17.4	87.0	2589	11	ADP64979	ADP64979 Human myr
48	17.4	87.0	2589	11	ADP65066	ADP65066 Human myr
49	17.4	87.0	2589	11	ADP65625	ADP65625 Human myr
50	17.4	87.0	2589	11	ADP65437	ADP65437 Human myr
51	17.4	87.0	2589	13	ADR24902	ADR24902 Breast ca
52	17.4	87.0	2589	13	ADP23250	ADP23250 PRO polyP
53	17.4	87.0	2589	13	ADU18103	ADU18103 Human ost
54	17.4	87.0	3236	12	ADO23276	ADO23276 Human sof
55	17.4	87.0	3384	5	AA56268	AA56268 DNA encod
56	17.4	87.0	4346	10	ADZ25645	ADZ25645 Human CDN
57	17.4	87.0	4346	6	ABK83570	ABK83570 Human CDN
58	17.4	87.0	464	4	AAI23376	AAI23376 Human bre
59	17.4	87.0	3363	11	ACNA5028	ACNA5028 Mouse gen
60	17.4	87.0	41400	9	ABX77189	ABX77189 Mouse BAC
61	17.4	87.0	49805	9	ADBI5927	ADBI5927 Human DYX
62	16.8	84.0	767	11	ACL22004	ACL22004 Rice abio
63	16.8	84.0	1263	10	ADB69750	ADB69750 C. neofor
64	16.8	84.0	1369	10	ADB69389	ADB69389 C. neofor
65	16.8	84.0	2315	2	AAV52327	AAV52327 Streptoco
66	16.8	84.0	3369	10	ADB69028	ADB69028 C. neofor
67	16.8	84.0	16836	2	AAV52831	AAV52831 Acetobact
68	16.8	84.0	110000	10	AB556454_13	AB556454_13 o
69	16.4	82.0	304	3	AAAI5864	AAAI5864 DNA encod
70	16.4	82.0	452	6	ABQ97805	ABQ97805 Mouse ES
71	16.4	82.0	468	13	ACN55469	ACN55469 Cotton an
72	16.4	82.0	573	5	AAH81497	AAH81497 Human dif
73	16.4	82.0	618	11	ACN91298	ACN91298 Breast ca
74	16.4	82.0	1260	6	ABN68910	ABN68910 Streptoco
75	16.4	82.0	1263	6	ABN70499	ABN70499 Streptoco
76	16.4	82.0	1263	12	ADH88995	ADH88995 Streptoco
77	16.4	82.0	1263	13	ADV85458	ADV85458 Streptoco
78	16.4	82.0	1419	3	AAV59222	AAV59222 Human sec
79	16.4	82.0	1419	8	ADA97943	ADA97943 Human sec
80	16.4	82.0	1419	8	ADA97943	ADA97943 Human sec
81	16.4	82.0	1419	10	ADAC2008	ADAC2008 Human sec
82	16.4	82.0	1419	10	ADFI10565	ADFI10565 Human sec
83	16.4	82.0	2000	6	ABZ16368	ABZ16368 Arabidops
84	16.4	82.0	3070	2	AAZ33640	AAZ33640 Human bre
85	16.4	82.0	3117	3	AAFI8178	AAFI8178 Lung can
86	16.4	82.0	3941	13	ADK54705	ADK54705 Plant ful
87	16.4	82.0	23398	13	ADV87720	ADV87720 Streptoco
88	16.4	82.0	23398	13	ADV87973	ADV87973 Streptoco
89	16.4	82.0	92099	6	ADZ12547	ADZ12547 Murine ca
90	16.4	82.0	110000	14	ABN71527_17	ABN71527_17 o
91	16.4	82.0	110000	13	ADV81204_18	ADV81204_18 o
92	16.4	82.0	110000	14	AEA61120_5	AEA61120_5 Continuation (19 o
						Continuation (6 of

93	16.4	82.0	110000	14	ABEA1102_3	Continuation (4 of	166	15.8	79.0	4315	10	ADG42131	Adg42131 Human bra
94	16.4	82.0	172570	6	ABQ88207	Human oot	167	15.8	79.0	4485	4	ABL15084	Ab115084 Drosophill
95	16	80.0	446	4	AA114514	Human bre	168	15.8	79.0	4552	12	ADO25095	Adq25095 Human bof
96	16	80.0	455	13	ACN45505	Cotton pr	169	15.8	79.0	4998	1	AAH81114	AAH81114 Non-A, no
97	16	80.0	842	11	ACN84555	Breast ca	170	15.8	79.0	5146	10	ADD46890	Add46890 Human gen
98	16	80.0	1811	13	ADK63470	Plant ful	171	15.8	79.0	5284	4	AB119858	Ab119858 Drosophill
99	15.8	79.0	298	4	AA839245	Novel hum	172	15.8	79.0	5997	4	ABL26958	Ab126958 Drosophill
100	15.8	79.0	305	4	AA838927	Novel hum	173	15.8	79.0	6306	4	ABL05158	Ab105158 Drosophill
101	15.8	79.0	309	4	AA838926	Novel hum	174	15.8	79.0	7326	14	ADX05796	Adx05796 Cyclin-de
102	15.8	79.0	337	4	AA837932	Novel hum	175	15.8	79.0	7393	5	AA158487	AA158487 Human pol
103	15.8	79.0	347	12	ADP94486	Cotton ex	176	15.8	79.0	7393	5	ADQ98702	Adq98702 DNA encod
104	15.8	79.0	355	14	ACL60378	Human col	177	15.8	79.0	7393	5	ADH48462	Adh48462 Novel hum
105	15.8	79.0	360	4	AAK83711	Human imm	178	15.8	79.0	9163	12	ADO80813	Ado80813 Porcine e
106	15.8	79.0	360	4	AAK83712	Human imm	179	15.8	79.0	9549	5	AA863175	AA863175 Human pur
107	15.8	79.0	366	3	AAK818472	Human sec	180	15.8	79.0	10446	10	ADBE06465	Adbe06465 Vector pg
108	15.8	79.0	407	3	AAK68111	Eucalyptu	181	15.8	79.0	10447	10	ADBE06464	Adbe06464 Vector pg
109	15.8	79.0	407	10	ADD41861	Cytochrom	182	15.8	79.0	10447	10	ADBE06463	Adbe06463 Vector pg
110	15.8	79.0	470	3	AAK27382	Human sec	183	15.8	79.0	10447	10	ADBE06462	Adbe06462 Vector pg
111	15.8	79.0	471	5	ABV15863	Human pro	184	15.8	79.0	11913	13	ADBS3953	Adbs3953 WTI genom
112	15.8	79.0	485	4	AA112279	Probe #22	185	15.8	79.0	11913	13	ADBS3952	Adbs3952 WTI genom
113	15.8	79.0	485	4	AA853984	Human foe	186	15.8	79.0	25656	4	ABL13242	ABL13242 Drosophill
114	15.8	79.0	485	4	AA133635	Probe #23	187	15.8	79.0	30889	4	ABL19852	Ab119852 Drosophill
115	15.8	79.0	485	4	ABAA3533	Human bre	188	15.8	79.0	31563	4	ABL02738	ABL02738 Drosophill
116	15.8	79.0	485	4	ABA23734	Probe #22	189	15.8	79.0	34099	13	ADS33984	Ads33984 Human gro
117	15.8	79.0	485	4	AAK27702	Human bon	190	15.8	79.0	36651	6	ADD28072	Add28072 Human kin
118	15.8	79.0	485	4	AAK02253	Human bra	191	15.8	79.0	38045	6	ADD56159	Add56159 Human sal
119	15.8	79.0	485	4	AB827272	Human liv	192	15.8	79.0	38189	4	ABL19856	Ab119856 Drosophill
120	15.8	79.0	485	5	AA102195	Probe #21	193	15.8	79.0	39814	4	ABL19854	Ab119854 Drosophill
121	15.8	79.0	485	6	AB802164	Human gen	194	15.8	79.0	43226	2	AAK60263	AAK60263 Nucleic a
122	15.8	79.0	526	2	AAK91203	T. gondii	195	15.8	79.0	71251	11	ACM44084	AcM44084 Mouse gen
123	15.8	79.0	526	10	ADG17055	T. gondii	196	15.8	79.0	89060	14	AEA61142	Aea61142 Human ABC
124	15.8	79.0	526	4	AAH10411	Human cDN	197	15.8	79.0	95103	12	AD112699	Ad112699 Human LPI
125	15.8	79.0	553	4	ABV45663	Human pro	198	15.8	79.0	96250	12	AD112697	Ad112697 Human LPI
126	15.8	79.0	568	5	ABV50257	Human pro	199	15.8	79.0	97955	12	AD112698	Ad112698 Human LPI
127	15.8	79.0	591	5	ABV50257	Human pro	200	15.8	79.0	103464	13	ABD33278	Abd33278 Murine ca
128	15.8	79.0	600	12	ACH68590	Human gen	201	15.8	79.0	108845	12	ABD32542	Abd32542 Mouse can
129	15.8	79.0	637	10	ADC30489	Human nov	202	15.8	79.0	110000	6	ABX08336_03	ABX08336_03 Contination (4 of
130	15.8	79.0	706	10	AAH06731	Human cDN	203	15.8	79.0	110000	6	ABX08336_04	ABX08336_04 Contination (5 of
131	15.8	79.0	772	4	ADOC32339	Human nov	204	15.8	79.0	110000	12	ADJ25985_03	ADJ25985_03 Contination (4 of
132	15.8	79.0	819	8	ACA20255	Human nov	205	15.8	79.0	110000	12	ADJ25985_04	ADJ25985_04 Contination (5 of
133	15.8	79.0	832	6	ABN75358	Human lun	206	15.8	79.0	110000	12	ADN97989_03	ADN97989_03 Contination (4 of
134	15.8	79.0	931	6	ABN98613	Arbldops	207	15.8	79.0	110000	12	ADN97989_04	ADN97989_04 Contination (5 of
135	15.8	79.0	1169	13	ADX35445	Plant ful	208	15.8	79.0	110000	12	ADN46845_10	ADN46845_10 Contination (11 of
136	15.8	79.0	1175	8	ADA84099	Human MGC	209	15.8	79.0	110000	12	ADN47591_09	ADN47591_09 Contination (10 of
137	15.8	79.0	1175	10	ADF76928	Novel hum	210	15.8	79.0	110000	12	ADN46123_10	ADN46123_10 Contination (11 of
138	15.8	79.0	1239	11	ABD15762	Pseudomon	211	15.8	79.0	110000	12	ADN47209_09	ADN47209_09 Contination (10 of
139	15.8	79.0	1248	11	ABD15648	Novel hum	212	15.8	79.0	110000	12	ADN46464_10	ADN46464_10 Contination (11 of
140	15.8	79.0	1249	13	ABZ36221	Human sec	213	15.8	79.0	110000	12	ADN47960_09	ADN47960_09 Contination (10 of
141	15.8	79.0	1258	13	ADT17845	Plant cDN	214	15.8	79.0	110000	12	ADOS0281_03	ADOS0281_03 Contination (4 of
142	15.8	79.0	1259	3	AAK49086	Partial F	215	15.8	79.0	110000	14	ABEB5185_03	ABEB5185_03 Contination (5 of
143	15.8	79.0	1281	14	AD285001	Arbldops	216	15.8	79.0	110000	14	ABEB5185_04	ABEB5185_04 Contination (5 of
144	15.8	79.0	1303	3	AAK38621	Partial F	217	15.8	79.0	110000	14	ABEB5185_04	ABEB5185_04 Contination (5 of
145	15.8	79.0	1338	6	AAK49987	Fish cort	218	15.8	79.0	110000	14	ABEB5185_04	ABEB5185_04 Contination (5 of
146	15.8	79.0	1338	12	ADOS0814	Calcifon c	219	15.8	79.0	110665	12	ADQ19183	ADQ19183 Human gen
147	15.8	79.0	1342	10	ADOC30082	Human nov	220	15.8	79.0	113359	14	ADZ13359	Adz13359 Human gen
148	15.8	79.0	1383	12	ADQ99519	Thale cre	221	15.8	79.0	181257	12	ADFE69677	Adfe69677 Human gen
149	15.8	79.0	1398	5	AA887893	DNA encod	222	15.8	79.0	191584	13	ABD33586	Abd33586 Human can
150	15.8	79.0	1478	2	AAK91204	Plant cDN	223	15.8	79.0	214520	10	ADL3471	Adl3471 Human can
151	15.8	79.0	1478	4	AAK42527	T. gondii	224	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
152	15.8	79.0	1478	10	ADG17057	T. gondii	225	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
153	15.8	79.0	1489	14	ABE827026	Pinus rad	226	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
154	15.8	79.0	156	1716	AAH17528	Human cDN	227	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
155	15.8	79.0	156	1716	AAH17528	Human cDN	228	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
156	15.8	79.0	156	1716	AAH17528	Human cDN	229	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
157	15.8	79.0	156	1716	AAH17528	Human cDN	230	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
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161	15.8	79.0	156	1716	AAH17528	Human cDN	234	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
162	15.8	79.0	156	1716	AAH17528	Human cDN	235	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
163	15.8	79.0	156	1716	AAH17528	Human cDN	236	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
164	15.8	79.0	156	1716	AAH17528	Human cDN	237	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can
165	15.8	79.0	156	1716	AAH17528	Human cDN	238	15.8	79.0	227448	13	ABD32841	Abd32841 Mouse can

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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:51:03 ; Search time 1597.17 Seconds

(without alignments)  
585.873 Million cell updates/sec

Title: US-10-625-124-19

Perfect score: 20

Sequence: 1 gctgcctcttccttcgcg 20

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 2339354128 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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1: gb\_est1:\*

2: gb\_est2:\*

3: gb\_est3:\*

4: gb\_est4:\*

5: gb\_est5:\*

6: gb\_est6:\*

7: gb\_est7:\*

8: gb\_est8:\*

9: gb\_est9:\*

10: gb\_est10:\*

11: gb\_est11:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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1	20	100.0	187	1	AI908770 IL-BT189-
2	20	100.0	260	2	BE814713 PM3-BN008
3	20	100.0	300	1	AU098915 AU098915
4	20	100.0	352	4	BX384402 BX384402
5	20	100.0	387	7	CR774616 DKF2p469D
6	20	100.0	434	8	TS3932 yb55a06.r1
7	20	100.0	449	1	AM136528
8	20	100.0	479	1	AA426104 zu66h06.r
9	20	100.0	485	3	BP224073 BP224073
10	20	100.0	496	2	BP224073 BP224073
11	20	100.0	530	6	CB111882 K-EST0153
12	20	100.0	546	2	BE814688 PM1-BN008
13	20	100.0	556	6	CB297181 12B22033
14	20	100.0	557	3	BP274875 BP274875
15	20	100.0	559	5	BK487803 DKF2p686D
16	20	100.0	561	3	BP241154 BP241154
17	20	100.0	562	3	BP239399 BP239399
18	20	100.0	562	7	CK905568 h26f10.y
19	20	100.0	564	1	AU279476 AU279476
20	20	100.0	572	3	BI761569 603046488
21	20	100.0	574	3	BP213400 BP213400
22	20	100.0	575	3	BMS38987 hb03d07.g

23	20	100.0	579	3	BP212549 BP212549
24	20	100.0	579	3	BP277224 BP277224
25	20	100.0	580	1	AM268836 xv46a04.x
26	20	100.0	580	1	BP321544 BP321544
27	20	100.0	580	3	BP32044 BP32044
28	20	100.0	581	1	AI651543 wa22e06.x
29	20	100.0	581	3	BP250812 BP250812
30	20	100.0	581	3	BP355711 BP355711
31	20	100.0	582	3	BP216508 BP216508
32	20	100.0	582	3	BP229719 BP229719
33	20	100.0	582	3	BP255505 BP255505
34	20	100.0	582	3	BP289331 BP289331
35	20	100.0	582	3	BP294125 BP294125
36	20	100.0	582	3	BP326502 BP326502
37	20	100.0	583	3	BP355742 BP355742
38	20	100.0	583	3	BP271460 BP271460
39	20	100.0	583	3	BP363684 BP363684
40	20	100.0	584	3	BP344472 BP344472
41	20	100.0	584	3	BP358428 BP358428
42	20	100.0	592	5	BK340297 BK340297
43	20	100.0	593	3	BP214206 BP214206
44	20	100.0	595	3	BM507279 BM507279
45	20	100.0	600	3	BM665112 BM665112
46	20	100.0	601	3	BM993414 BM993414
47	20	100.0	625	7	CN481922 CN481922
48	20	100.0	631	3	BI838922 BI838922
49	20	100.0	657	7	CV028566 CV028566
50	20	100.0	665	1	AL039824 AL039824
51	20	100.0	673	3	BI836119 BI836119
52	20	100.0	677	3	BM695624 BM695624
53	20	100.0	685	7	CN277568 CN277568
54	20	100.0	686	7	CR791161 CR791161
55	20	100.0	697	2	BC769726 BC769726
56	20	100.0	723	3	BM840185 BM840185
57	20	100.0	743	10	AG186833 AG186833
58	20	100.0	755	2	BE871868 BE871868
59	20	100.0	773	1	AU137728 AU137728
60	20	100.0	773	3	BM919775 BM919775
61	20	100.0	803	3	BI770329 BI770329
62	20	100.0	829	3	BI560515 BI560515
63	20	100.0	851	6	DN877934 DN877934
64	20	100.0	855	8	CB992557 CB992557
65	20	100.0	865	3	BI759206 BI759206
66	20	100.0	878	6	CD358893 CD358893
67	20	100.0	881	1	AL549312 AL549312
68	20	100.0	886	2	BI834207 BI834207
69	20	100.0	913	5	BK402565 BK402565
70	20	100.0	917	5	BK458352 BK458352
71	20	100.0	922	5	BK382242 BK382242
72	20	100.0	925	2	BG252311 BG252311
73	20	100.0	935	2	BG323330 BG323330
74	20	100.0	940	1	AL549778 AL549778
75	20	100.0	968	5	BO707863 BO707863
76	20	100.0	1003	1	BM473862 BM473862
77	20	100.0	1044	1	AL523081 AL523081
78	20	100.0	1076	3	BM473861 BM473861
79	20	100.0	1505	3	BP83106 BP83106
80	20	100.0	1632	10	AY413610 AY413610
81	20	100.0	1895	4	CR624205 CR624205
82	19	95.0	894	5	BK324872 BK324872
83	18.4	92.0	206	1	AA250779 AA250779
84	18.4	92.0	560	1	AI797115 AI797115
85	18.4	92.0	594	1	AA279086 AA279086
86	18.4	92.0	963	7	CO774483 CO774483
87	18.4	92.0	1070	10	CNS029PS CNS029PS
88	18	90.0	697	3	BI836186 BI836186
89	18	90.0	1160	6	CD506469 CD506469
90	18	90.0	1578	10	AY413611 AY413611
91	17.4	87.0	183	2	BE939257 BE939257
92	17.4	87.0	201	6	CD640705 CD640705
93	17.4	87.0	203	1	AA350308 AA350308
94	17.4	87.0	210	1	AA418520 AA418520
95	17.4	87.0	224	1	AA358898 AA358898

C 96	17.4	87.0	227	1	AA092008	113930.se	C 169	17.4	87.0	485	8	DR770767	ILUWIGEN
C 98	17.4	87.0	239	1	AA140013	qa68f08.x	C 170	17.4	87.0	489	1	AI1346912	AA1346912 qp59c02.x
C 99	17.4	87.0	243	1	AA973519	AA973519 oc046a12.b	C 171	17.4	87.0	489	2	BF061319	BF061319 7177b06.x
C 100	17.4	87.0	247	1	AI139236	qc19e09.x	C 172	17.4	87.0	495	1	AI025189	AI025189 cv40e03.x
C 101	17.4	87.0	261	1	AM079485	xc16h09.x	C 173	17.4	87.0	495	7	CN345317	CN345317 170006003
C 102	17.4	87.0	263	8	D56384	HUM246F07B	C 174	17.4	87.0	496	1	AA291574	AA291574 2c40h12.8
C 103	17.4	87.0	273	8	W25637	z66db05.r1	C 175	17.4	87.0	499	1	AI139418	AI139418 2c29c05.x
C 104	17.4	87.0	281	1	AA50412	UT-H-B13-	C 176	17.4	87.0	499	1	AA513363	AA513363 xc08b07.x
C 105	17.4	87.0	297	1	AA078569	AA078569 p05f09.c	C 177	17.4	87.0	502	1	AA394907	AA394907 26704.Lam
C 106	17.4	87.0	297	7	CN345315	AA078569 p05f09.c	C 178	17.4	87.0	508	6	CD677257	CD677257 ho14a02.y
C 107	17.4	87.0	304	1	AA626867	170006002	C 179	17.4	87.0	511	1	AI125102	AI125102 am66e01.x
C 108	17.4	87.0	312	1	AA948553	AA626867 zu89g08.b	C 180	17.4	87.0	513	1	AI1285878	AI1285878 qh96f09.x
C 109	17.4	87.0	320	1	AI934463	AA948553 om68d01.b	C 181	17.4	87.0	516	1	AI164927	AI164927 qz23b08.x
C 110	17.4	87.0	323	1	AM784497	AA948553 om68d01.b	C 182	17.4	87.0	519	1	AA57160	AA57160 ah5sh06.b
C 111	17.4	87.0	328	1	AM232689	AM784497 z063d11.g	C 183	17.4	87.0	519	2	BF199195	BF199195 gm81h12.x
C 112	17.4	87.0	337	2	BE930843	BE930843 rc1-gm007	C 184	17.4	87.0	521	1	AM514353	AM514353 hds5a11.x
C 113	17.4	87.0	343	3	AI094776	AI094776 qa13c11.x	C 185	17.4	87.0	521	10	CG465506	CG465506 KR12B.2D
C 114	17.4	87.0	343	3	BP423757	BP423757	C 186	17.4	87.0	523	1	AI094591	AI094591 oy64d05.b
C 115	17.4	87.0	345	1	AI364303	AI364303 qy77e03.x	C 187	17.4	87.0	523	1	AA411826	AA411826 zt67c04.b
C 116	17.4	87.0	347	2	BE930812	BE930812 rc1-gm007	C 188	17.4	87.0	524	1	AI1421381	AI1421381 lf220c11.x
C 117	17.4	87.0	349	2	BE930812	BE930812 rc1-gm007	C 189	17.4	87.0	525	1	AI142297	AI142297 oz70c11.x
C 118	17.4	87.0	354	8	F03041	F03041 HSC1XE072.n	C 190	17.4	87.0	525	5	BX106699	BX106699 BX106699
C 119	17.4	87.0	357	3	BM782282	BM782282 K-EST0059	C 191	17.4	87.0	525	6	CR052884	CR052884 NISC_g110
C 120	17.4	87.0	370	3	BM850351	BM850351 K-EST0130	C 192	17.4	87.0	525	1	AI146345	AI146345 qb1e08.x
C 121	17.4	87.0	371	2	BI255475	BI255475 602977986	C 193	17.4	87.0	526	1	AI088861	AI088861 qa12g03.x
C 122	17.4	87.0	374	1	AM838488	AM838488 QV2-LT005	C 194	17.4	87.0	529	1	BF434188	BF434188 BX453838
C 123	17.4	87.0	375	5	BU587197	BU587197 ACENCOURT	C 195	17.4	87.0	531	5	BF434188	BF434188 7099h02.x
C 124	17.4	87.0	377	2	BE163747	BE163747 QV3-HT046	C 196	17.4	87.0	533	1	AI161048	AI161048 q993d03.x
C 125	17.4	87.0	385	1	AA622111	AA622111 nq55f03.b	C 197	17.4	87.0	535	1	AI1280379	AI1280379 q194f04.x
C 126	17.4	87.0	390	8	R81255	R81255 yj03g12.b1	C 198	17.4	87.0	535	7	CN301029	CN301029 170005313
C 127	17.4	87.0	392	1	AI925779	AI925779 w035e05.x	C 199	17.4	87.0	538	3	BM824545	BM824545 K-EST0096
C 128	17.4	87.0	393	2	BF110841	BF110841 7441a01.x	C 200	17.4	87.0	543	2	BF446751	BF446751 K-EST0096
C 129	17.4	87.0	395	8	N39972	N39972 yx97d07.r1	C 201	17.4	87.0	545	1	AM582261	AM582261 QV4-ST021
C 130	17.4	87.0	396	2	EG004283	EG004283 RC6-GN007	C 202	17.4	87.0	546	7	CN301013	CN301013 170006000
C 131	17.4	87.0	399	1	AA910524	AA910524 ok56d07.b	C 203	17.4	87.0	549	1	AM652673	AM652673 K-EST0098
C 132	17.4	87.0	403	1	AM838275	AM838275 QV2-LT005	C 204	17.4	87.0	550	1	AA425784	AA425784 zv47b05.b
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C 134	17.4	87.0	408	8	R71598	R71598 y152e11.b1	C 206	17.4	87.0	551	1	AA25784	AA25784 hv50d06.x
C 135	17.4	87.0	409	7	CN301015	CN301015 170005999	C 207	17.4	87.0	551	1	BM824545	BM824545 K-EST0096
C 136	17.4	87.0	415	3	EM481760	EM481760 5342a3.MA	C 208	17.4	87.0	555	2	BF439843	BF439843 nac49e03.b
C 137	17.4	87.0	417	1	AA554344	AA554344 n103e10.b	C 209	17.4	87.0	556	3	BM996684	BM996684 UI-H-DH0-
C 138	17.4	87.0	418	1	AA558736	AA558736 AV65368	C 210	17.4	87.0	564	1	AU151771	AU151771 AUI51771
C 139	17.4	87.0	428	1	AA558739	AA558739 n173g10.b	C 211	17.4	87.0	566	2	CR6220529	CR6220529 hv50d06.x
C 140	17.4	87.0	431	1	AI002241	AI002241 c072d09.b	C 212	17.4	87.0	567	5	BM219246	BM219246 f01-leng
C 141	17.4	87.0	432	3	BM686138	BM686138 UI-F-CX0-	C 213	17.4	87.0	567	5	BK424944	BK424944 BX424944
C 142	17.4	87.0	433	1	AI744636	AI744636 w904h03.x	C 214	17.4	87.0	569	3	BP268261	BP268261 BX424944
C 143	17.4	87.0	435	8	R81540	R81540 yj02c12.b1	C 215	17.4	87.0	573	1	AM271731	AM271731 xe11a11.x
C 144	17.4	87.0	440	1	AI268506	AI268506 q037c09.x	C 216	17.4	87.0	574	3	BM086355	BM086355 ima9eqc.2
C 145	17.4	87.0	441	1	AI623643	AI623643 t82d405.x	C 217	17.4	87.0	574	5	BU947753	BU947753 i053b03.y
C 146	17.4	87.0	442	1	AI359897	AI359897 qy46h08.x	C 218	17.4	87.0	575	1	AA932421	AA932421 o042d08.b
C 147	17.4	87.0	445	1	AI952528	AI952528 wx75e03.x	C 219	17.4	87.0	576	1	AM104303	AM104303 xd77a09.x
C 148	17.4	87.0	445	8	R24746	R24746 yq43f06.r1	C 220	17.4	87.0	577	1	AI198403	AI198403 q162h01.x
C 149	17.4	87.0	450	1	AA137187	AA137187 z123b10.x	C 221	17.4	87.0	578	3	BP267091	BP267091 BP267091
C 150	17.4	87.0	450	1	AA655350	AA655350 q037c09.x	C 222	17.4	87.0	579	2	BF593761	BF593761 nac08b11.
C 151	17.4	87.0	452	3	BQ007226	BQ007226 UI-1-BC0-	C 223	17.4	87.0	579	7	CN301016	CN301016 170005999
C 152	17.4	87.0	457	1	AI090588	AI090588 ga70e11.s	C 224	17.4	87.0	580	3	BM264459	BM264459 i035e09.x
C 153	17.4	87.0	460	1	AA137188	AA137188 z123b10.s	C 225	17.4	87.0	580	3	BP243148	BP243148 BP243148
C 154	17.4	87.0	462	1	AA782823	AA782823 aj09c08.b	C 226	17.4	87.0	581	3	BP243148	BP243148 BP243148
C 155	17.4	87.0	463	1	AI183492	AI183492 qd42d09.x	C 227	17.4	87.0	582	1	AI089961	AI089961 qa20g05.x
C 156	17.4	87.0	464	1	AI134430	AI134430 t033g10.x	C 228	17.4	87.0	582	3	BP220150	BP220150 BP220150
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C 160	17.4	87.0	470	1	AI359375	AI359375 qy28e02.x	C 232	17.4	87.0	584	3	BM271819	BM271819 BP267316
C 161	17.4	87.0	471	1	AA970799	AA970799 op23c04.b	C 233	17.4	87.0	584	3	BP334140	BP334140 BP334140
C 162	17.4	87.0	473	1	AA401895	AA401895 qm74f04.x	C 234	17.4	87.0	585	1	AI200436	AI200436 qf93a11.x
C 163	17.4	87.0	474	1	AI231678	AI231678 gm74f04.x	C 235	17.4	87.0	585	3	BP420716	BP420716 BP420716
C 164	17.4	87.0	475	9	AO718350	AO718350 HS 5513.B	C 236	17.4	87.0	591	1	AI633165	AI633165 t207a03.x
C 165	17.4	87.0	478	1	AI052416	AI052416 cv75g10.x	C 237	17.4	87.0	591	1	AL549462	AL549462 AL549462
C 166	17.4	87.0	482	1	AI026921	AI026921 cv98b07.x	C 238	17.4	87.0	592	1	AU145060	AU145060 AU145060
C 167	17.4	87.0	482	1	AI187383	AI187383 zp69b06.r	C 239	17.4	87.0	592	7	CK824819	CK824819 i935e09.y
C 168	17.4	87.0	485	1	AA471500	AA471500 xu05d10.x	C 240	17.4	87.0	592	7	CK824819	CK824819 i935e09.y
							C 241	17.4	87.0	593	8	DN601648	DN601648 HES03_70_

GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 20:56:50 ; Search time 54.3478 Seconds  
(without alignments)  
654.143 Million cell updates/sec

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Perfect score: 20

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

Issued Patents NA:\*

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9: /cgn2\_6/ptodata/1/ina/Backfillseq.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	364	US-09-513-999C-269	Sequence 269, App
2	17.4	87.0	496	US-09-401-064-350	Sequence 350, App
3	17.4	87.0	1180	US-09-220-132-169	Sequence 169, App
4	17.4	87.0	1885	US-09-023-655-1162	Sequence 1162, App
5	17.4	87.0	2590	US-09-949-016-1460	Sequence 1460, App
6	17.4	87.0	8426	US-09-949-016-13202	Sequence 13202, App
7	16.8	84.0	2315	US-08-961-527-194	Sequence 194, App
8	16.8	84.0	16836	US-09-147-236-1	Sequence 1, App1
9	16.8	84.0	16836	US-09-522-474-1	Sequence 10, App1
10	16.8	84.0	16836	US-09-522-474-1	Sequence 1, App1
11	16.8	84.0	16836	US-09-522-474-1	Sequence 10, App1
12	16.4	82.0	95565	US-09-949-016-11877	Sequence 11877, App
13	16	80.0	837	US-09-270-767-6244	Sequence 6244, App
14	16	80.0	837	US-09-270-767-6244	Sequence 21526, App
15	15.8	79.0	386	US-09-513-999C-22547	Sequence 22547, App
16	15.8	79.0	407	US-09-615-192A-204	Sequence 204, App
17	15.8	79.0	470	US-09-513-999C-31457	Sequence 31457, App
18	15.8	79.0	526	US-09-216-393B-5	Sequence 5, App1
19	15.8	79.0	601	US-09-949-016-37773	Sequence 37773, App
20	15.8	79.0	601	US-09-949-016-41522	Sequence 41522, App
21	15.8	79.0	601	US-09-949-016-158300	Sequence 158300, App
22	15.8	79.0	1239	US-09-252-991A-14366	Sequence 14366, App
23	15.8	79.0	1248	US-09-252-991A-14252	Sequence 14252, App
24	15.8	79.0	1338	US-09-799-978-33	Sequence 33, App1

C 25	15.8	79.0	1478	US-09-216-393B-7	Sequence 7, App1
C 26	15.8	79.0	1905	US-09-252-991A-14312	Sequence 14312, App
C 27	15.8	79.0	7393	US-09-620-312D-372	Sequence 372, App
C 28	15.8	79.0	10061	US-09-949-016-12092	Sequence 12092, App
C 29	15.8	79.0	10061	US-09-949-016-14935	Sequence 14935, App
C 30	15.8	79.0	26967	US-09-949-016-12926	Sequence 12926, App
C 31	15.8	79.0	36651	US-09-738-894A-3	Sequence 3, App1
C 32	15.8	79.0	36651	US-09-964-469-3	Sequence 3, App1
C 33	15.8	79.0	44064	US-09-949-016-12015	Sequence 12015, App
C 34	15.8	79.0	44072	US-09-949-016-15757	Sequence 15757, App
C 35	15.8	79.0	48219	US-09-949-016-16158	Sequence 16158, App
C 36	15.8	79.0	49603	US-09-949-016-13706	Sequence 13706, App
C 37	15.8	79.0	53722	US-09-949-016-12077	Sequence 12077, App
C 38	15.8	79.0	68719	US-09-949-016-12799	Sequence 12799, App
C 39	15.8	79.0	68720	US-09-949-016-14296	Sequence 14296, App
C 40	15.8	79.0	97221	US-09-949-016-12755	Sequence 12755, App
C 41	15.8	79.0	421491	US-09-949-016-12805	Sequence 12805, App
C 42	15.8	79.0	421494	US-09-949-016-14060	Sequence 14060, App
C 43	15.4	77.0	290	US-09-640-211A-1515	Sequence 1515, App
C 44	15.4	77.0	357	US-09-640-211A-1516	Sequence 1516, App
C 45	15.4	77.0	557	US-09-918-686-4	Sequence 4, App1
C 46	15.4	77.0	601	US-09-949-016-17890	Sequence 17890, App
C 47	15.4	77.0	601	US-09-949-016-19174	Sequence 19174, App
C 48	15.4	77.0	601	US-09-949-016-19174	Sequence 19174, App
C 49	15.4	77.0	601	US-09-949-016-28160	Sequence 28160, App
C 50	15.4	77.0	601	US-09-949-016-28161	Sequence 28161, App
C 51	15.4	77.0	601	US-09-949-016-28162	Sequence 28162, App
C 52	15.4	77.0	601	US-09-949-016-41780	Sequence 41780, App
C 53	15.4	77.0	601	US-09-949-016-41781	Sequence 41781, App
C 54	15.4	77.0	601	US-09-949-016-130443	Sequence 130443, App
C 55	15.4	77.0	601	US-09-949-016-161023	Sequence 161023, App
C 56	15.4	77.0	601	US-09-949-016-197076	Sequence 197076, App
C 57	15.4	77.0	601	US-09-949-016-197077	Sequence 197077, App
C 58	15.4	77.0	601	US-09-949-016-197078	Sequence 197078, App
C 59	15.4	77.0	21210	US-09-949-016-12265	Sequence 12265, App
C 60	15.4	77.0	21211	US-09-949-016-17328	Sequence 17328, App
C 61	15.4	77.0	26831	US-09-949-016-16250	Sequence 16250, App
C 62	15.4	77.0	26845	US-09-949-016-11815	Sequence 11815, App
C 63	15.4	77.0	27132	US-09-949-016-15424	Sequence 15424, App
C 64	15.4	77.0	34310	US-09-949-016-12518	Sequence 12518, App
C 65	15.4	77.0	34315	US-09-949-016-15469	Sequence 15469, App
C 66	15.4	77.0	66213	US-09-949-016-11803	Sequence 11803, App
C 67	15.4	77.0	66213	US-09-949-016-16739	Sequence 16739, App
C 68	15.4	77.0	76247	US-09-949-016-16136	Sequence 16136, App
C 69	15.4	77.0	84839	US-09-949-016-15816	Sequence 15816, App
C 70	15.4	77.0	85122	US-09-949-016-14693	Sequence 14693, App
C 71	15.4	77.0	86116	US-09-949-016-14766	Sequence 14766, App
C 72	15.4	77.0	92139	US-09-918-686-1	Sequence 1, App1
C 73	15.4	77.0	93894	US-09-949-016-13629	Sequence 13629, App
C 74	15.4	77.0	101558	US-09-949-016-12243	Sequence 12243, App
C 75	15.4	77.0	101520	US-09-949-016-17367	Sequence 17367, App
C 76	15.4	77.0	102526	US-09-949-016-12448	Sequence 12448, App
C 77	15.4	77.0	119212	US-09-949-016-12507	Sequence 12507, App
C 78	15.4	77.0	141158	US-09-949-016-11755	Sequence 11755, App
C 79	15.4	77.0	141158	US-09-949-016-12936	Sequence 12936, App
C 80	15.4	77.0	141158	US-09-949-016-11755	Sequence 11755, App
C 81	15.4	77.0	166755	US-09-426-290-1	Sequence 1, App1
C 82	15.4	77.0	194915	US-09-949-016-15584	Sequence 15584, App
C 83	15.4	77.0	238815	US-09-949-016-16274	Sequence 16274, App
C 84	15.2	76.0	313365	US-09-949-016-16001	Sequence 16001, App
C 85	15.2	76.0	118	US-09-270-767-26413	Sequence 26413, App
C 86	15.2	76.0	383	US-09-621-976-2073	Sequence 9073, App
C 87	15.2	76.0	510	US-09-621-976-2218	Sequence 2218, App
C 88	15.2	76.0	601	US-09-949-016-53212	Sequence 53212, App
C 89	15.2	76.0	601	US-09-949-016-53212	Sequence 53212, App
C 90	15.2	76.0	601	US-09-949-016-81877	Sequence 81877, App
C 91	15.2	76.0	601	US-09-949-016-81878	Sequence 81878, App
C 92	15.2	76.0	1007	US-09-949-016-414556	Sequence 14556, App
C 93	15.2	76.0	1290	US-09-270-767-10926	Sequence 10926, App
C 94	15.2	76.0	1290	US-09-107-532A-3187	Sequence 3187, App
C 95	15.2	76.0	3658	US-09-557-262-11	Sequence 11, App1
C 96	15.2	76.0	4045	US-09-557-262-16	Sequence 16, App1
C 97	15.2	76.0	9819	US-09-807-201-2	Sequence 2, App1
C 97	15.2	76.0	13016	US-09-949-016-14642	Sequence 14642, App

C 98	15.2	76.0	12027	3	US-09-949-016-14361	Sequence 14361, A	171	14.8	74.0	601	3	US-09-949-016-171343	Sequence 171343, A
C 99	15.2	76.0	27317	3	US-09-949-016-14955	Sequence 14955, A	172	14.8	74.0	601	3	US-09-949-016-171344	Sequence 171344, A
C 100	15.2	76.0	27933	3	US-09-949-016-12369	Sequence 12369, A	173	14.8	74.0	601	3	US-09-949-016-117345	Sequence 117345, A
C 101	15.2	76.0	28802	3	US-09-949-016-14124	Sequence 14124, A	174	14.8	74.0	601	3	US-09-949-016-117346	Sequence 117346, A
C 102	15.2	76.0	30868	3	US-09-949-016-13279	Sequence 13279, A	175	14.8	74.0	601	3	US-09-949-016-188270	Sequence 188270, A
C 103	15.2	76.0	113283	3	US-09-949-016-16976	Sequence 16976, A	176	14.8	74.0	601	3	US-09-949-016-188271	Sequence 188271, A
C 104	15.2	76.0	113283	3	US-09-949-016-16977	Sequence 16977, A	177	14.8	74.0	601	3	US-09-949-016-199215	Sequence 199215, A
C 105	15.2	76.0	118649	3	US-09-949-016-12537	Sequence 12537, A	178	14.8	74.0	601	3	US-09-949-016-199216	Sequence 199216, A
C 106	15.2	76.0	236964	3	US-09-949-016-15753	Sequence 15753, A	179	14.8	74.0	601	3	US-09-589-927-7	Sequence 927, A
C 107	15	75.0	318	3	US-08-747-2218-7	Sequence 3318, Ap	180	14.8	74.0	900	3	US-09-277-665-7	Sequence 7, Appl1
C 108	15	75.0	421	3	US-08-747-2218-9	Sequence 7, Appl1	181	14.8	74.0	900	3	US-09-589-987-7	Sequence 7, Appl1
C 109	15	75.0	421	3	US-09-005-051-7	Sequence 9, Appl1	182	14.8	74.0	909	3	US-09-328-352-3547	Sequence 3547, Ap
C 110	15	75.0	421	3	US-09-005-051-7	Sequence 9, Appl1	183	14.8	74.0	921	2	US-08-478-208-19	Sequence 19, Appl
C 111	15	75.0	421	3	US-09-005-051-9	Sequence 9, Appl1	184	14.8	74.0	921	2	US-08-478-208-19	Sequence 19, Appl
C 112	15	75.0	421	3	US-09-403-942F-7	Sequence 9, Appl1	185	14.8	74.0	1288	3	US-09-270-767-15514	Sequence 23, App
C 113	15	75.0	421	3	US-09-403-942F-9	Sequence 9, Appl1	186	14.8	74.0	1288	3	US-09-270-767-15514	Sequence 23, App
C 114	15	75.0	601	3	US-09-949-016-151810	Sequence 151810, A	187	14.8	74.0	1392	3	US-09-543-681A-4032	Sequence 1514, A
C 115	15	75.0	51671	3	US-09-949-016-12068	Sequence 12068, A	188	14.8	74.0	1480	3	US-09-142-569-1	Sequence 1480, A
C 116	15	75.0	51671	3	US-09-949-016-15962	Sequence 15962, A	189	14.8	74.0	1512	3	US-09-495-448A-1	Sequence 1512, A
C 117	15	75.0	68436	3	US-09-949-016-12993	Sequence 12993, A	190	14.8	74.0	1512	3	US-09-248-796A-2054	Sequence 2054, Ap
C 118	15	75.0	106199	3	US-09-949-016-12993	Sequence 12993, A	191	14.8	74.0	1512	3	US-09-248-796A-2054	Sequence 2054, Ap
C 119	15	75.0	107980	3	US-09-949-016-14370	Sequence 14370, A	192	14.8	74.0	1573	3	US-09-131-827-0863	Sequence 863, Ap
C 120	15	75.0	360470	3	US-09-949-016-13173	Sequence 13173, A	193	14.8	74.0	1827	3	US-09-270-767-1308	Sequence 1, Appl1
C 121	15	75.0	50	3	US-10-131-827-2412	Sequence 2412, Ap	194	14.8	74.0	1827	3	US-09-270-767-1308	Sequence 1, Appl1
C 122	14.8	74.0	178	3	US-09-513-999C-14330	Sequence 14330, A	195	14.8	74.0	2090	3	US-09-270-767-16590	Sequence 1590, A
C 123	14.8	74.0	207	3	US-09-248-796A-7617	Sequence 7617, Ap	196	14.8	74.0	2158	3	US-09-530-157B-9	Sequence 256, App
C 124	14.8	74.0	229	3	US-08-943-731-211	Sequence 211, App	197	14.8	74.0	2419	2	US-08-428-415-1	Sequence 5813, Ap
C 125	14.8	74.0	284	3	US-09-621-976-14589	Sequence 14589, A	198	14.8	74.0	2419	2	US-08-378-685-1	Sequence 1, Appl1
C 126	14.8	74.0	286	3	US-09-621-976-14589	Sequence 14589, A	199	14.8	74.0	2419	2	US-08-854-029-1	Sequence 1, Appl1
C 127	14.8	74.0	343	3	US-09-313-294A-4525	Sequence 4525, Ap	200	14.8	74.0	2419	2	US-08-428-762-1	Sequence 1, Appl1
C 128	14.8	74.0	343	3	US-09-270-767-9798	Sequence 9798, Ap	201	14.8	74.0	2419	2	US-08-428-762-1	Sequence 1, Appl1
C 129	14.8	74.0	454	3	US-09-270-767-25080	Sequence 25080, A	202	14.8	74.0	2420	2	US-08-328-239A-1	Sequence 1, Appl1
C 130	14.8	74.0	454	3	US-09-513-999C-10727	Sequence 10727, A	203	14.8	74.0	2420	2	US-08-328-239A-1	Sequence 1, Appl1
C 131	14.8	74.0	526	3	US-09-621-976-1925	Sequence 1925, Ap	204	14.8	74.0	2420	2	PCT-US94-06365-1	Sequence 1, Appl1
C 132	14.8	74.0	526	3	US-09-513-999C-8211	Sequence 8211, Ap	205	14.8	74.0	2420	6	PCT-US95-13661-1	Sequence 1, Appl1
C 133	14.8	74.0	526	3	US-09-443-597-192	Sequence 192, App	206	14.8	74.0	2512	3	US-10-104-047-1888	Sequence 1888, Ap
C 134	14.8	74.0	526	3	US-09-480-884A-192	Sequence 192, App	207	14.8	74.0	2807	3	US-09-949-016-4464	Sequence 2464, Ap
C 135	14.8	74.0	526	3	US-09-542-615A-192	Sequence 192, App	208	14.8	74.0	2807	3	US-09-302-769-11	Sequence 11, Appl
C 136	14.8	74.0	526	3	US-09-606-421B-192	Sequence 192, App	209	14.8	74.0	3129	3	US-08-962-650C-11	Sequence 11, Appl
C 137	14.8	74.0	526	3	US-09-466-396A-192	Sequence 192, App	210	14.8	74.0	3129	3	US-09-904-615-18	Sequence 18, Appl
C 138	14.8	74.0	526	3	US-09-476-496A-192	Sequence 192, App	211	14.8	74.0	3129	3	US-10-054-988-18	Sequence 18, Appl
C 139	14.8	74.0	526	3	US-09-630-940B-192	Sequence 192, App	212	14.8	74.0	3616	3	US-09-949-016-4859	Sequence 4859, Ap
C 140	14.8	74.0	526	3	US-10-007-700-192	Sequence 192, App	213	14.8	74.0	3807	3	US-09-949-016-5238	Sequence 5238, Ap
C 141	14.8	74.0	579	3	US-09-792-024-54	Sequence 54, Appl	214	14.8	74.0	4006	3	US-09-949-016-4724	Sequence 4724, Ap
C 142	14.8	74.0	601	3	US-09-949-016-17938	Sequence 17938, A	215	14.8	74.0	4006	3	US-09-949-016-4725	Sequence 4725, Ap
C 143	14.8	74.0	601	3	US-09-949-016-13532	Sequence 33532, A	216	14.8	74.0	4117	3	US-09-484-970B-2	Sequence 2, Appl1
C 144	14.8	74.0	601	3	US-09-949-016-33533	Sequence 33533, A	217	14.8	74.0	4237	3	US-09-949-016-649	Sequence 649, App
C 145	14.8	74.0	601	3	US-09-949-016-37657	Sequence 37657, A	218	14.8	74.0	4522	3	US-09-949-016-4008	Sequence 4008, Ap
C 146	14.8	74.0	601	3	US-09-949-016-41828	Sequence 41828, A	219	14.8	74.0	4661	3	US-09-221-017B-970	Sequence 1194, Ap
C 147	14.8	74.0	601	3	US-09-949-016-45650	Sequence 45650, A	220	14.8	74.0	5173	3	US-09-949-016-1194	Sequence 1194, Ap
C 148	14.8	74.0	601	3	US-09-949-016-56655	Sequence 56655, A	221	14.8	74.0	6246	3	US-09-949-016-13	Sequence 13, Appl
C 149	14.8	74.0	601	3	US-09-949-016-60399	Sequence 60399, A	222	14.8	74.0	6246	3	US-08-943-731-640	Sequence 731, Appl
C 150	14.8	74.0	601	3	US-09-949-016-60399	Sequence 60399, A	223	14.8	74.0	7366	3	US-09-949-016-14119	Sequence 14119, A
C 151	14.8	74.0	601	3	US-09-949-016-72884	Sequence 72884, A	224	14.8	74.0	9551	2	US-09-949-016-13400	Sequence 13400, A
C 152	14.8	74.0	601	3	US-09-949-016-72950	Sequence 72950, A	225	14.8	74.0	9551	2	US-08-056-200-9-13	Sequence 93, Appl
C 153	14.8	74.0	601	3	US-09-949-016-87740	Sequence 87740, A	226	14.8	74.0	12223	3	US-09-949-016-12238	Sequence 12238, A
C 154	14.8	74.0	601	3	US-09-949-016-87741	Sequence 87741, A	227	14.8	74.0	12223	3	US-09-949-016-14119	Sequence 14119, A
C 155	14.8	74.0	601	3	US-09-949-016-87740	Sequence 87740, A	228	14.8	74.0	14961	3	US-09-949-016-13400	Sequence 13400, A
C 156	14.8	74.0	601	3	US-09-949-016-112304	Sequence 112304, A	229	14.8	74.0	21000	3	US-09-949-016-17550	Sequence 17550, A
C 157	14.8	74.0	601	3	US-09-949-016-120384	Sequence 120384, A	230	14.8	74.0	22908	3	US-09-975-123-11	Sequence 11, Appl
C 158	14.8	74.0	601	3	US-09-949-016-120384	Sequence 120384, A	231	14.8	74.0	23105	3	US-09-949-016-12749	Sequence 12749, A
C 159	14.8	74.0	601	3	US-09-949-016-12891	Sequence 12891, A	232	14.8	74.0	23105	3	US-09-949-016-13400	Sequence 13400, A
C 160	14.8	74.0	601	3	US-09-949-016-135378	Sequence 135378, A	233	14.8	74.0	24201	3	US-09-949-016-17355	Sequence 17355, A
C 161	14.8	74.0	601	3	US-09-949-016-166452	Sequence 166452, A	234	14.8	74.0	28393	3	US-09-949-016-13874	Sequence 13874, A
C 162	14.8	74.0	601	3	US-09-949-016-166452	Sequence 166452, A	235	14.8	74.0	28393	3	US-09-949-016-16380	Sequence 16380, A
C 163	14.8	74.0	601	3	US-09-949-016-167539	Sequence 167539, A	236	14.8	74.0	32616	3	US-09-949-016-14306	Sequence 14306, A
C 164	14.8	74.0	601	3	US-09-949-016-167646	Sequence 167646, A	237	14.8	74.0	32798	3	US-09-949-016-11758	Sequence 11758, A
C 165	14.8	74.0	601	3	US-09-949-016-167646	Sequence 167646, A	238	14.8	74.0	34047	3	US-09-949-016-17955	Sequence 17366, A
C 166	14.8	74.0	601	3	US-09-949-016-169721	Sequence 169721, A	239	14.8	74.0	34794	3	US-09-713-678-39	Sequence 17555, A
C 167	14.8	74.0	601	3	US-09-949-016-171213	Sequence 171213, A	240	14.8	74.0	34794	3	US-10-164-085-39	Sequence 39, Appl
C 168	14.8	74.0	601	3	US-09-949-016-171214	Sequence 171214, A	241	14.8	74.0	34794	3	US-10-164-085-39	Sequence 39, Appl
C 169	14.8	74.0	601	3	US-09-949-016-171215	Sequence 171215, A	242	14.8	74.0	34794	3	US-09-573-740X-82	Sequence 82, Appl
C 170	14.8	74.0	601	3	US-09-949-016-171216	Sequence 171216, A	243	14.8	74.0	36227	3	US-09-949-016-13951	Sequence 13951, A



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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 21:44:19 ; Search time 530 Seconds  
(without alignments)  
312.052 Million cell updates/sec

Title: US-10-625-124-19  
Perfect score: 20  
Sequence: 1 gctgcctcttcctcctcg 20

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 500 summaries

Database : Published Applications NA Main:

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2: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*  
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4: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq:\*  
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7: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq:\*  
8: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq:\*  
10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	20	US-10-625-124-19	Sequence 19, Appl
2	20	100.0	20	US-10-172-118-421	Sequence 421, App
3	20	100.0	20	US-10-342-887-421	Sequence 421, App
4	20	100.0	20	US-10-625-124-1	Sequence 1, Appl
5	20	100.0	20	US-10-956-157-335	Sequence 335, App
6	20	100.0	20	US-10-625-124-3	Sequence 3, Appl
7	17.4	87.0	201	US-10-741-601-8096	Sequence 8096, App
8	17.4	87.0	201	US-10-741-601-8125	Sequence 8125, App
9	17.4	87.0	201	US-10-741-601-8127	Sequence 8127, App
10	17.4	87.0	201	US-10-741-601-12447	Sequence 12447, App
11	17.4	87.0	201	US-10-741-601-12449	Sequence 12449, App
12	17.4	87.0	201	US-10-741-601-12463	Sequence 12463, App
13	17.4	87.0	201	US-10-741-601-12465	Sequence 12465, App
14	17.4	87.0	201	US-10-741-600-22449	Sequence 22449, App
15	17.4	87.0	201	US-10-741-600-22452	Sequence 22452, App
16	17.4	87.0	201	US-10-741-600-22478	Sequence 22478, App
17	17.4	87.0	201	US-10-741-600-22480	Sequence 22480, App
18	17.4	87.0	201	US-10-741-600-30728	Sequence 30728, App
19	17.4	87.0	201	US-10-741-600-30730	Sequence 30730, App
20	17.4	87.0	201	US-10-741-600-30744	Sequence 30744, App
21	17.4	87.0	201	US-10-741-600-30746	Sequence 30746, App
22	17.4	87.0	201	US-10-741-600-30746	Sequence 30746, App
23	17.4	87.0	239	US-10-242-535A-50686	Sequence 50686, App

C 24	17.4	87.0	239	7	US-10-085-783A-50686	Sequence 50686, A
C 25	17.4	87.0	242	3	US-09-878-178-1987	Sequence 1987, App
C 26	17.4	87.0	242	5	US-10-046-935-1987	Sequence 1987, App
C 27	17.4	87.0	242	5	US-10-146-502-1987	Sequence 1987, App
C 28	17.4	87.0	243	7	US-10-242-535A-46466	Sequence 46466, A
C 29	17.4	87.0	243	7	US-10-085-783A-46466	Sequence 46466, A
C 30	17.4	87.0	255	3	US-09-920-100A-98	Sequence 98, Appl
C 31	17.4	87.0	255	5	US-10-033-528-98	Sequence 98, Appl
C 32	17.4	87.0	255	6	US-10-099-926-98	Sequence 98, Appl
C 33	17.4	87.0	255	7	US-10-961-537-98	Sequence 98, Appl
C 34	17.4	87.0	271	7	US-10-242-535A-8365	Sequence 8365, App
C 35	17.4	87.0	271	7	US-10-085-783A-8365	Sequence 8365, App
C 36	17.4	87.0	347	3	US-09-244-694-124	Sequence 124, App
C 37	17.4	87.0	406	3	US-09-918-995-1248	Sequence 1248, App
C 38	17.4	87.0	419	7	US-10-437-963-77882	Sequence 77882, A
C 39	17.4	87.0	477	3	US-09-998-598-289	Sequence 289, App
C 40	17.4	87.0	496	3	US-09-922-217-350	Sequence 350, App
C 41	17.4	87.0	496	3	US-09-833-263-350	Sequence 350, App
C 42	17.4	87.0	496	5	US-10-025-380-350	Sequence 350, App
C 43	17.4	87.0	544	3	US-09-920-300A-388	Sequence 388, App
C 44	17.4	87.0	544	6	US-10-033-528-388	Sequence 388, App
C 45	17.4	87.0	544	6	US-10-099-926-388	Sequence 388, App
C 46	17.4	87.0	544	9	US-10-961-527-388	Sequence 388, App
C 47	17.4	87.0	577	4	US-09-925-065A-772012	Sequence 772012, A
C 48	17.4	87.0	581	4	US-09-925-065A-806406	Sequence 806406, A
C 49	17.4	87.0	585	4	US-09-925-065A-768464	Sequence 768464, A
C 50	17.4	87.0	586	4	US-09-925-065A-777729	Sequence 777729, A
C 51	17.4	87.0	597	3	US-09-770-149-995	Sequence 995, App
C 52	17.4	87.0	609	9	US-10-956-157-3118	Sequence 3118, App
C 53	17.4	87.0	609	9	US-10-956-157-3353	Sequence 3353, App
C 54	17.4	87.0	749	5	US-10-027-632-13293	Sequence 13293, App
C 55	17.4	87.0	749	6	US-10-027-632-13293	Sequence 13293, A
C 56	17.4	87.0	854	5	US-10-027-632-147791	Sequence 147791, A
C 57	17.4	87.0	854	5	US-10-027-632-147792	Sequence 147792, A
C 58	17.4	87.0	854	6	US-10-027-632-147792	Sequence 147792, A
C 59	17.4	87.0	854	6	US-10-027-632-147792	Sequence 147792, A
C 60	17.4	87.0	1180	9	US-10-831-704-169	Sequence 169, App
C 61	17.4	87.0	1400	9	US-10-956-157-6069	Sequence 6069, App
C 62	17.4	87.0	1523	7	US-09-925-065A-706158	Sequence 706158, A
C 63	17.4	87.0	1885	4	US-10-641-643-1162	Sequence 1162, App
C 64	17.4	87.0	2147	8	US-10-357-930-29272	Sequence 29272, A
C 65	17.4	87.0	2174	8	US-10-357-930-33400	Sequence 33400, A
C 66	17.4	87.0	2174	8	US-10-357-930-29287	Sequence 29287, A
C 67	17.4	87.0	2487	3	US-10-062-674-1433	Sequence 1433, App
C 68	17.4	87.0	2589	3	US-09-960-706-471	Sequence 471, App
C 69	17.4	87.0	2589	3	US-09-873-319-287	Sequence 287, App
C 70	17.4	87.0	2589	6	US-10-172-118-763	Sequence 763, App
C 71	17.4	87.0	2589	6	US-10-131-410-152	Sequence 152, App
C 72	17.4	87.0	2589	7	US-10-342-887-763	Sequence 763, App
C 73	17.4	87.0	2589	9	US-10-956-157-334	Sequence 334, App
C 74	17.4	87.0	2589	9	US-10-287-436A-60	Sequence 60, Appl
C 75	17.4	87.0	2589	9	US-10-287-436A-163	Sequence 163, App
C 76	17.4	87.0	2589	9	US-10-287-436A-688	Sequence 688, App
C 77	17.4	87.0	2589	9	US-10-287-436A-773	Sequence 773, App
C 78	17.4	87.0	3236	8	US-10-723-860-6096	Sequence 6096, App
C 79	17.4	87.0	3384	6	US-10-450-763-2072	Sequence 2072, App
C 80	17.4	87.0	4346	6	US-10-247-671-59	Sequence 59, Appl
C 81	17.4	87.0	112486	7	US-10-741-601-5641	Sequence 5641, App
C 82	17.4	87.0	112486	8	US-10-741-601-17642	Sequence 17642, App
C 83	17.4	87.0	161700	8	US-10-741-601-5623	Sequence 5623, App
C 84	17.4	87.0	161700	8	US-10-741-601-17590	Sequence 17590, A
C 85	17.4	87.0	627	5	US-10-027-632-332849	Sequence 332849, A
C 86	17.4	87.0	627	5	US-10-027-632-332850	Sequence 332850, A
C 87	17.4	87.0	627	6	US-10-027-632-332849	Sequence 332849, A
C 88	17.4	87.0	627	6	US-10-027-632-332850	Sequence 332850, A
C 89	17.4	87.0	33634	5	US-10-087-192-1771	Sequence 1771, App
C 90	17.4	87.0	50000	7	US-10-364-505-7	Sequence 7, Appl
C 91	17.4	87.0	50000	7	US-10-681-199-7	Sequence 7, Appl
C 92	16.8	84.0	704	5	US-10-437-963-151580	Sequence 151580, A
C 93	16.8	84.0	819	5	US-10-027-632-136073	Sequence 136073, A
C 94	16.8	84.0	819	6	US-10-027-632-136073	Sequence 136073, A
C 95	16.8	84.0	1049	8	US-10-425-115-157122	Sequence 157122, A
C 96	16.8	84.0	1263	7	US-10-320-797-2155	Sequence 2155, App



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OM nucleic - nucleic search, using sw model

Run on: March 17, 2006, 21:54:48 ; Search time 264.348 Seconds  
(without alignments)  
176.412 Million cell updates/sec

Title: US-10-625-124-19  
Perfect score: 20  
Sequence: 1 gctgcctcttctctgcg 20

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues

Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 500 summaries

Database :

Published Applications NA New:\*

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- 3: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq.\*
- 5: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq.\*
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- 9: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	17.4	87.0	496 12 US-11-108-172-350	Sequence 350, App
2	17.4	87.0	577 6 US-09-925-065A-772012	Sequence 772012, App
3	17.4	87.0	581 6 US-09-925-065A-806406	Sequence 806406, App
4	17.4	87.0	585 6 US-09-925-065A-768464	Sequence 768464, App
5	17.4	87.0	586 6 US-09-925-065A-777729	Sequence 777729, App
6	17.4	87.0	848 8 US-10-750-185-24760	Sequence 24760, A
7	17.4	87.0	848 8 US-10-750-623-24760	Sequence 24760, A
8	17.4	87.0	1180 7 US-10-501-035-6	Sequence 6, Appl
9	17.4	87.0	1523 6 US-09-925-065A-706158	Sequence 706158, App
10	17.4	87.0	2589 12 US-11-122-329-48	Sequence 48, Appl
11	16.8	84.0	912 7 US-10-933-182A-1923	Sequence 1923, App
12	16.8	84.0	912 7 US-10-933-182A-1923	Sequence 1923, App
13	16.8	84.0	912 7 US-10-933-182A-1923	Sequence 1923, App
14	16.4	82.0	566 6 US-09-925-065A-202671	Sequence 202671, App
15	16.4	82.0	626 6 US-09-925-065A-786508	Sequence 786508, App
16	16.4	82.0	626 6 US-09-925-065A-845657	Sequence 845657, App
17	16.4	82.0	681 6 US-09-925-065A-699081	Sequence 699081, App
18	16.4	82.0	1263 6 US-10-520-820-29	Sequence 29, Appl
19	16	80.0	1567 8 US-09-925-065A-729221	Sequence 729221, A
20	16	80.0	1567 8 US-10-750-185-58221	Sequence 58221, A

21	16	80.0	1706 8 US-10-750-185-56410	Sequence 56410, A
22	15.8	79.0	1706 8 US-10-750-623-56410	Sequence 56410, A
23	15.8	79.0	201 12 US-11-124-367A-11521	Sequence 11521, A
24	15.8	79.0	442 6 US-09-925-065A-389359	Sequence 389359, A
25	15.8	79.0	502 6 US-09-925-065A-616158	Sequence 616158, A
26	15.8	79.0	517 6 US-09-925-065A-278412	Sequence 278412, A
27	15.8	79.0	527 6 US-09-925-065A-82404	Sequence 82404, A
28	15.8	79.0	570 6 US-09-925-065A-299600	Sequence 299600, A
29	15.8	79.0	570 6 US-09-925-065A-299601	Sequence 299601, A
30	15.8	79.0	570 6 US-09-925-065A-299602	Sequence 299602, A
31	15.8	79.0	571 6 US-09-925-065A-171596	Sequence 171596, A
32	15.8	79.0	571 6 US-09-925-065A-171597	Sequence 171597, A
33	15.8	79.0	571 6 US-09-925-065A-171598	Sequence 171598, A
34	15.8	79.0	580 6 US-09-925-065A-96284	Sequence 96284, A
35	15.8	79.0	580 6 US-09-925-065A-103139	Sequence 103139, A
36	15.8	79.0	583 6 US-09-925-065A-923540	Sequence 923540, A
37	15.8	79.0	583 6 US-09-925-065A-947497	Sequence 947497, A
38	15.8	79.0	584 6 US-09-925-065A-923209	Sequence 923209, A
39	15.8	79.0	586 6 US-09-925-065A-947326	Sequence 947326, A
40	15.8	79.0	586 6 US-09-925-065A-947327	Sequence 947327, A
41	15.8	79.0	586 6 US-09-925-065A-947328	Sequence 947328, A
42	15.8	79.0	586 6 US-09-925-065A-947329	Sequence 947329, A
43	15.8	79.0	599 6 US-09-925-065A-60607	Sequence 60607, A
44	15.8	79.0	599 6 US-09-925-065A-60608	Sequence 60608, A
45	15.8	79.0	608 6 US-09-925-065A-335642	Sequence 335642, A
46	15.8	79.0	610 6 US-09-925-065A-660450	Sequence 660450, A
47	15.8	79.0	610 6 US-09-925-065A-660451	Sequence 660451, A
48	15.8	79.0	611 6 US-09-925-065A-125407	Sequence 125407, A
49	15.8	79.0	765 6 US-09-925-065A-551273	Sequence 551273, A
50	15.8	79.0	765 6 US-09-925-065A-551274	Sequence 551274, A
51	15.8	79.0	830 6 US-09-925-065A-25236	Sequence 25236, A
52	15.8	79.0	830 6 US-09-925-065A-25237	Sequence 25237, A
53	15.8	79.0	830 6 US-09-925-065A-25238	Sequence 25238, A
54	15.8	79.0	913 6 US-09-925-065A-4770	Sequence 4770, App
55	15.8	79.0	913 6 US-09-925-065A-4771	Sequence 4771, App
56	15.8	79.0	913 6 US-09-925-065A-4772	Sequence 4772, App
57	15.8	79.0	961 8 US-10-750-185-60201	Sequence 60201, A
58	15.8	79.0	961 8 US-10-750-623-60201	Sequence 60201, A
59	15.8	79.0	1171 6 US-09-925-065A-56163	Sequence 56163, A
60	15.8	79.0	1489 12 US-11-024-959-187	Sequence 187, App
61	15.8	79.0	1612 8 US-10-750-185-35528	Sequence 35528, A
62	15.8	79.0	1612 8 US-10-750-623-35528	Sequence 35528, A
63	15.8	79.0	1709 8 US-10-750-185-26535	Sequence 26535, A
64	15.8	79.0	1709 8 US-10-750-623-26535	Sequence 26535, A
65	15.8	79.0	1823 6 US-09-925-065A-681281	Sequence 681281, A
66	15.8	79.0	1823 6 US-09-925-065A-681282	Sequence 681282, A
67	15.8	79.0	1916 8 US-10-750-185-59708	Sequence 59708, A
68	15.8	79.0	1916 8 US-10-750-623-59708	Sequence 59708, A
69	15.8	79.0	2051 6 US-09-925-065A-706373	Sequence 706373, A
70	15.8	79.0	2051 6 US-09-925-065A-706374	Sequence 706374, A
71	15.8	79.0	2051 6 US-09-925-065A-706375	Sequence 706375, A
72	15.8	79.0	2322 8 US-10-750-185-38188	Sequence 38188, A
73	15.8	79.0	2322 8 US-10-750-623-38188	Sequence 38188, A
74	15.8	79.0	2445 8 US-10-750-185-50092	Sequence 50092, A
75	15.8	79.0	2445 8 US-10-750-623-50092	Sequence 50092, A
76	15.8	79.0	2560 8 US-10-750-185-33449	Sequence 43449, A
77	15.8	79.0	2560 8 US-10-750-623-33449	Sequence 43449, A
78	15.8	79.0	23672 8 US-10-995-561-13267	Sequence 13267, A
79	15.8	79.0	34099 8 US-10-927-466-18	Sequence 18, Appl
80	15.8	79.0	124927 12 US-11-121-086-100	Sequence 100, Appl
81	15.8	79.0	163110 12 US-11-091-018-1	Sequence 1, Appl
82	15.4	77.0	18 8 US-10-310-914A-721777	Sequence 721777, A
83	15.4	77.0	25 7 US-10-933-982-128982	Sequence 128982, A
84	15.4	77.0	201 8 US-10-995-561-62678	Sequence 62678, A
85	15.4	77.0	201 8 US-10-995-561-62678	Sequence 62678, A
86	15.4	77.0	201 8 US-10-995-561-62678	Sequence 62678, A
87	15.4	77.0	201 8 US-10-995-561-62678	Sequence 62678, A
88	15.4	77.0	201 8 US-10-995-561-62678	Sequence 62678, A
89	15.4	77.0	345 7 US-10-933-182A-76359	Sequence 76359, A
90	15.4	77.0	345 7 US-10-933-182A-76359	Sequence 76359, A
91	15.4	77.0	417 6 US-09-925-065A-199333	Sequence 199333, A
92	15.4	77.0	458 6 US-09-925-065A-492178	Sequence 492178, A
93	15.4	77.0	475 6 US-09-925-065A-531723	Sequence 531723, A
			475 6 US-09-925-065A-224984	Sequence 224984, A

C 94	15.4	77.0	505	6	US-09-925-065A-7361121	Sequence 736121,
C 95	15.4	77.0	506	6	US-09-925-065A-7361122	Sequence 736122,
C 96	15.4	77.0	507	6	US-09-925-065A-7361123	Sequence 736123,
C 97	15.4	77.0	508	6	US-09-925-065A-7361124	Sequence 736124,
C 98	15.4	77.0	509	6	US-09-925-065A-7361125	Sequence 736125,
C 99	15.4	77.0	510	6	US-09-925-065A-7361126	Sequence 736126,
C 100	15.4	77.0	511	6	US-09-925-065A-7361127	Sequence 736127,
C 101	15.4	77.0	512	6	US-09-925-065A-7361128	Sequence 736128,
C 102	15.4	77.0	513	6	US-09-925-065A-7361129	Sequence 736129,
C 103	15.4	77.0	514	6	US-09-925-065A-7361130	Sequence 736130,
C 104	15.4	77.0	515	6	US-09-925-065A-7361131	Sequence 736131,
C 105	15.4	77.0	516	6	US-09-925-065A-7361132	Sequence 736132,
C 106	15.4	77.0	517	6	US-09-925-065A-7361133	Sequence 736133,
C 107	15.4	77.0	518	6	US-09-925-065A-7361134	Sequence 736134,
C 108	15.4	77.0	519	6	US-09-925-065A-7361135	Sequence 736135,
C 109	15.4	77.0	520	6	US-09-925-065A-7361136	Sequence 736136,
C 110	15.4	77.0	521	6	US-09-925-065A-7361137	Sequence 736137,
C 111	15.4	77.0	522	6	US-09-925-065A-7361138	Sequence 736138,
C 112	15.4	77.0	523	6	US-09-925-065A-7361139	Sequence 736139,
C 113	15.4	77.0	524	6	US-09-925-065A-7361140	Sequence 736140,
C 114	15.4	77.0	525	6	US-09-925-065A-7361141	Sequence 736141,
C 115	15.4	77.0	526	6	US-09-925-065A-7361142	Sequence 736142,
C 116	15.4	77.0	527	6	US-09-925-065A-7361143	Sequence 736143,
C 117	15.4	77.0	528	6	US-09-925-065A-7361144	Sequence 736144,
C 118	15.4	77.0	529	6	US-09-925-065A-7361145	Sequence 736145,
C 119	15.4	77.0	530	6	US-09-925-065A-7361146	Sequence 736146,
C 120	15.4	77.0	531	6	US-09-925-065A-7361147	Sequence 736147,
C 121	15.4	77.0	532	6	US-09-925-065A-7361148	Sequence 736148,
C 122	15.4	77.0	533	6	US-09-925-065A-7361149	Sequence 736149,
C 123	15.4	77.0	534	6	US-09-925-065A-7361150	Sequence 736150,
C 124	15.4	77.0	535	6	US-09-925-065A-7361151	Sequence 736151,
C 125	15.4	77.0	536	6	US-09-925-065A-7361152	Sequence 736152,
C 126	15.4	77.0	537	6	US-09-925-065A-7361153	Sequence 736153,
C 127	15.4	77.0	538	6	US-09-925-065A-7361154	Sequence 736154,
C 128	15.4	77.0	539	6	US-09-925-065A-7361155	Sequence 736155,
C 129	15.4	77.0	540	6	US-09-925-065A-7361156	Sequence 736156,
C 130	15.4	77.0	541	6	US-09-925-065A-7361157	Sequence 736157,
C 131	15.4	77.0	542	6	US-09-925-065A-7361158	Sequence 736158,
C 132	15.4	77.0	543	6	US-09-925-065A-7361159	Sequence 736159,
C 133	15.4	77.0	544	6	US-09-925-065A-7361160	Sequence 736160,
C 134	15.4	77.0	545	6	US-09-925-065A-7361161	Sequence 736161,
C 135	15.4	77.0	546	6	US-09-925-065A-7361162	Sequence 736162,
C 136	15.4	77.0	547	6	US-09-925-065A-7361163	Sequence 736163,
C 137	15.4	77.0	548	6	US-09-925-065A-7361164	Sequence 736164,
C 138	15.4	77.0	549	6	US-09-925-065A-7361165	Sequence 736165,
C 139	15.4	77.0	550	6	US-09-925-065A-7361166	Sequence 736166,
C 140	15.4	77.0	551	6	US-09-925-065A-7361167	Sequence 736167,
C 141	15.4	77.0	552	6	US-09-925-065A-7361168	Sequence 736168,
C 142	15.4	77.0	553	6	US-09-925-065A-7361169	Sequence 736169,
C 143	15.4	77.0	554	6	US-09-925-065A-7361170	Sequence 736170,
C 144	15.4	77.0	555	6	US-09-925-065A-7361171	Sequence 736171,
C 145	15.4	77.0	556	6	US-09-925-065A-7361172	Sequence 736172,
C 146	15.4	77.0	557	6	US-09-925-065A-7361173	Sequence 736173,
C 147	15.2	76.0	558	6	US-09-925-065A-7361174	Sequence 736174,
C 148	15.2	76.0	559	6	US-09-925-065A-7361175	Sequence 736175,
C 149	15.2	76.0	560	6	US-09-925-065A-7361176	Sequence 736176,
C 150	15.2	76.0	561	6	US-09-925-065A-7361177	Sequence 736177,
C 151	15.2	76.0	562	6	US-09-925-065A-7361178	Sequence 736178,
C 152	15.2	76.0	563	6	US-09-925-065A-7361179	Sequence 736179,
C 153	15.2	76.0	564	6	US-09-925-065A-7361180	Sequence 736180,
C 154	15.2	76.0	565	6	US-09-925-065A-7361181	Sequence 736181,
C 155	15.2	76.0	566	6	US-09-925-065A-7361182	Sequence 736182,
C 156	15.2	76.0	567	6	US-09-925-065A-7361183	Sequence 736183,
C 157	15.2	76.0	568	6	US-09-925-065A-7361184	Sequence 736184,
C 158	15.2	76.0	569	6	US-09-925-065A-7361185	Sequence 736185,
C 159	15.2	76.0	570	6	US-09-925-065A-7361186	Sequence 736186,
C 160	15.2	76.0	571	6	US-09-925-065A-7361187	Sequence 736187,
C 161	15.2	76.0	572	6	US-09-925-065A-7361188	Sequence 736188,
C 162	15.2	76.0	573	6	US-09-925-065A-7361189	Sequence 736189,
C 163	15.2	76.0	574	6	US-09-925-065A-7361190	Sequence 736190,
C 164	15.2	76.0	575	6	US-09-925-065A-7361191	Sequence 736191,
C 165	15.2	76.0	576	6	US-09-925-065A-7361192	Sequence 736192,
C 166	15.2	76.0	577	6	US-09-925-065A-7361193	Sequence 736193,